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14. ABSTRACT The Family Cohort (FamCo) project's primary objective is to examine empirically the impact of deployment to OEF/OIF on the families of US service members. The study is being conducted in collaboration with the Millennium Cohort Study (MilCo), and will be implemented by adding a family member assessment component to MilCo's Panel 4. Panel 4 was launched during year 2 (7 June 2011), and expects to enroll about 62,000 new participants in MilCo. FamCo will select a probability sample of Panel 4 participants who report in their MilCo baseline assessment that they are married, and ask them to provide contact information—including e-mail address—for their spouse. The FamCo sample was selected to produce about 10,000 spouse participants, of which about half will be married to a service member who has been deployed to OEF/OIF at least once, and the other half will be married to a service member who has not (yet) been deployed to either of those conflicts. The baseline assessment for FamCo focuses on spouses' perceptions of: deployment stressors for family members; health and mental health status of family members; and quality of family interpersonal relationships. Additional relevant information (e.g., health and mental health service utilization, characteristics of sponsor's deployment) will be drawn from military records.					
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Annual Report****Table of Contents**

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1. Introduction

The Family Cohort (FamCo) project's primary objective is to examine empirically the impact of deployment to OEF/OIF on the families of US service members. The study is being conducted by a multidisciplinary consortium of research organizations, including the Naval Health Research Center (NHRC), Abt Associates (Abt), Duke University (Duke), and New York University (NYU), as a new component of the Millennium Cohort Study (MilCo), beginning in MilCo's Panel 4.

MilCo's Panel 4 was launched near the end of year 2 of the FamCo project (7 June 2011), and is expected to enroll about 62,000 new participants in MilCo. FamCo was launched in July, 2011, and is selecting a probability sample of Panel 4 participants who report in their MilCo baseline assessment that they are married, and ask them to provide contact information—including e-mail address—for their spouse. The FamCo sampling plan was designed to produce about 10,000 spouse participants, of which about half will be married to a service member who has been deployed to OEF/OIF/OND at least once, and the other half will be married to a service member who has not (yet) been deployed to either of those conflicts.

The baseline assessment for FamCo focuses on spouses' perceptions of: deployment stressors for family members; health and mental health status of family members; and quality of family interpersonal relationships. Additional relevant information (e.g., health and mental health service utilization, characteristics of sponsor's deployment) will be drawn from military records.

2. Project Administration & Technical Implementation

2.1 Overview

The FamCo project was purposefully implemented as a collaborative effort of the MilCo team at NHRC and a consortium of investigators at Abt Associates, Duke University School of Medicine, and New York University School of Medicine. The project was described in a single application submitted by Abt, but funded via two separate funding streams—one for NHRC, focused on data collection, and another for Abt, Duke, and NYU, focused on data analysis and interpretation.

All of the tasks necessary to implement the study are being conducted collaboratively, but leadership varies across the tasks. Tasks that involve the logistics of the survey (e.g., sample selection, survey implementation, survey data management) are led by the MilCo team with input and support from FamCo, and tasks that include the substance of and constructs covered by the survey, and the analysis and interpretation of FamCo data, are led by the FamCo team, with input and support from MilCo. Communication between the teams has been facilitated by regularly scheduled conference calls of the two teams, in which we discuss progress and issues from the current work and plans for upcoming tasks.

2.2 Project Team & Work Modifications

Abt Team

As part of the Milco team, the Abt team—comprised of Principal Investigators and technical staff from Abt Associates, Duke University School of Medicine, and New York University School of Medicine - will lead the data analysis component of the Family Member Assessment study. This team, led by Drs. Schlenger (Abt), Fairbank (Duke), and Marmar (NYU), brings together broad technical expertise, including:

- Child development and child and adult behavioral health;
- Spousal and family psychosocial functioning;
- Survey research and methodology; and,
- Service member behavioral health, PTSD, and physical health.

These areas of expertise are critical to the FamCo team's ability to implement a robust analysis plan and central to understanding dynamic impact of military deployment on the psychological and physical wellbeing of families. The current version of the detailed analytic plan is included in the appendices of this document (see Appendix A). This document outlines the analysis strategy, the substantive areas of focus, and research questions to be addressed.

To further support of the study effort during the third year of work, the Abt team provided substantive methodological expertise to improve the implementation of the family assessment survey and address issues with response rates. Through routine monitoring of the study, weekly team meetings, and other ongoing communications with the data collection team (NHRC), the Abt team provided:

- Timely responses and solutions to improving efforts to engage the survey target population (e.g., proposing and securing the services of Dr. Dillman);
- Strategies and access to resources to improve survey response rates;
- Updates, in collaboration with team member NHRC, to USAMRMC (e.g. scientific review panels, product line reviews) on the progress of the family assessment study.

Included in the appendices are updates on survey implementation provided to USAMRMC at the October 12, 201 and April 10, 2012 Scientific Review Panels (see Appendix B).

Consultants

To provide additional methodological support for the survey implementation, the Abt team secured the services of Drs. Don Dillman and Richard Kulka. Experts in the field of survey research and methodology, Drs. Dillman and Kulka were reviewed survey implementation procedures and provided recommendations to improve survey response rates. While Kulka's services were used intermittently (e.g, preparation for the 2012 Scientific Review Panel), Dillman's services were used throughout the project year (see "Technical Progress & Activities").

The FamCo team will continue to use Dillman throughout the fourth year of the project. During the fourth year his scope of work will include:

- Continue close monitoring of survey implementation procedures and response rates;
- Provide feedback to improve survey response and communication with the survey population; and,
- Attend key meetings with USAMRMC personnel to discuss survey updates and planning for data analysis.

Scope of Work: Modifications

At the request of USAMRMC, the Abt team provided additional funding to support the data collection effort led by NHRC. The additional funding targeted improving response rates among Panel 4 survey participants, which prior to year three had not met the survey response goals for this project (see "Technical Progress & Activities). After discussions with USAMRMC and NHRC

in May 2012, resources from the Abt-Duke-NYU stream was reallocated to address the following:

- Enhancing communications with the Panel 4 service member sample to improve survey response;
- Increasing the sample size of eligible respondents;
- Adding additional technical staff to the NHRC team to assist with the timely completion of work associated with survey implementation (see Appendix C for Staff Descriptions); and,
- Providing NHRC with ongoing consultation with Dr. Don Dillman to improve survey implementation strategy and monitoring participant response to the family assessment survey.

Specifically, \$917,923 was reallocated to the data collection effort during year 3, and an additional \$144,726 was reallocated for work in year four. At the time of this report, all requests have been met and the USAMRMC has modified Abt's scope of work to reflect the changes in project work.

2.3 Technical Progress & Activities

Implementation of the Spouse Survey in MilCo Panel 4

When the third year of the Family Study began, the MilCo Panel 4 and FamCo surveys had been launched (in June and July 2011, respectively), but early participation results were not encouraging in either. In response, the FamCo team had moved quickly to intervene as the second year was coming to a close, by bringing Drs. Don Dillman and Richard Kulka in as consultants.

Dillman continued his work on FamCo in year 3, working with the NHRC team that is implementing the FamCo data collection to make changes that will improve spouse participation. The "new" design incorporates a wide variety of the elements that have been shown in the many randomized field trials that Dillman has conducted across his career to enhance survey participation, including more incentives, revising the messages in communication with potential participants, and the offer of a pencil-and-paper option for those who wanted it (the NHRC team had decided to eliminate the pencil and paper mode from the FamCo design, thinking that an all-internet survey would save time and resources, both of which turned out not to be the case).

Additionally, as the implementation of the "Dillmanization" of the FamCo survey protocol unfolded, Dr. Nancy Crum began a dialog with the Chair of the NHRC IRB concerning barriers to participation in FamCo. When the IRB reviewed the protocol prior to OMB clearance, it insisted

that the FamCo study could only approach spouses of service members who approve of spouse participation and provide contact information. The a priori assumption of NHRC was that 65% of married Panel 4 participants would give permission to contact the spouse, and 50% of those spouses would participate in FamCo.

Early experience, however, suggested strongly that spouse referral and participation rates would be substantially lower than expected—four months into the data collection, service member referral of spouses was languishing at about 32%, and the participation of referred spouses at about 30%. Based on discussions with Dr. Crum, the NHRC IRB reconsidered, and decided to allow FamCo to approach spouses of Panel 4 participants regardless of service member referral. We expect that we will enroll a large number of spouses via this direct path—as this report is being written, we have enrolled 1,119 spouses via this mechanism who would have been ineligible.

The FamCo team held the annual meeting with the FamCo Scientific Review Panel (SRP) in April, 2012. Much of the discussion centered on response rate issues, and panel members provided many good suggestions for improving participation. We have scheduled a meeting with them in November to inform them of changes we made and the results in participation.

Conceptual Models That Will Guide the FamCo Analysis

The FamCo team has developed conceptual models that operationalize our hypotheses about processes underlying the phenomena that we will be studying. As an example, Appendix B contains two slides showing the hypothesized associations among the variables that are included in the Spouse Survey.

Those models are useful in many ways, but are best understood as generic models of community epidemiologic studies focused on health and mental health outcomes. In our application, we described a conceptual model of how military families respond to war zone deployment of a service member parent, which will guide many of our substantive analyses. In what follows, we describe briefly some examples of other kinds of conceptual models that will structure our analyses of the FamCo baseline data, focusing on methodological issues.

(1) Establishment of external validity. Although the FamCo sample is a probability sample drawn from military records, the external validity (generalizability) of the study's findings can be heavily influenced by response rate if the non-response is not random. We plan to use propensity models to examine and adjust for potential non-response bias. To do so, we will first fit logistic regression models of "propensity to participate" in the Spouse Survey, using predictors that are available for both those who did participate and those who did not (e.g., demographic and other variables available in military records). Then we will use the logistic model to create for each person in the sample a "predicted probability of participating in the Survey," and compute the correlations of the predicted probability and the baseline values of

the primary outcomes. For any outcome, if there is a statistically significant correlation with predicted probability of participating, there is non-response bias.

When bias is identified, it must be adjusted for. Fortunately, the bias can be adjusted for easily, by creating nonresponse weights for use in the analysis—for each person who participated in the study, their non-response adjustment weight is the inverse of their predicted probability of participating in the Survey.

The procedure described above produces a gold-standard correction for the non-response of spouses for whom their sponsor provided the spouse's contact information. The other source of spouse non-response, however, is spouses of married Panel 4 sample members who didn't participate in Panel 4. We are currently seeking advice from experienced sampling statisticians on how to take account of this form of non-response.

(2) Establishment of internal validity of comparisons. Although the analysis of these data will involve many types of comparisons, the primary comparisons involve war zone deployment versus no war zone deployment. These comparisons will constitute a non-equivalent comparison group (quasi-experimental) design. Assessing the internal validity of such designs involves examining the overlap of the distributions of demographic and other important variables in the two groups. Groups are said to be non-equivalent to the extent that the distributions of independent variables overlap.

We will examine overlap using propensity analyses. We will begin again with a logistic regression model of being in the deployed group, and use that model to produce a predicted probability of being in the deployed group. Following procedures developed by Rubin and his colleagues, we will then organize the two groups (deployed vs non-deployed) into quintiles on the basis of their predicted probability scores. Examination of the balance of the quintiles within and across groups provides important information about the comparability of the groups. If the quintiles are balanced within and across, the two groups can be considered "equivalent," and if not the patterns of the quintiles can point to which quintiles are equivalent and which are not.

Outcome

Deciding on design changes and implementing them in a survey that is already in the field is very challenging. With guidance from Dillman, however, the NHRC FamCo staff did a terrific job on both. Although doing so took time, energy, and resources, over the months of the third year the response rates rose steadily as the various changes were implemented, doubling the response rate for spouses who were referred by their service member (see Appendix D). As year 3 ended, there were still changes that had not yet come into play, and a 2-arm randomized experiment was just underway that will inform the survey protocol for the years to come.

2.4 Barriers to Progress & Solutions

The following highlights key barriers to progress encountered during year three and solutions to address encountered barriers. Details concerning the barriers and solutions are provided in the preceding sections.

Barriers to Progress:

- Low response rates for service members in the Panel 4 sample;
- Additional funding for NHRC data collection effort to improve staffing ability, survey implementation, and response rates with Panel 4 respondents; and,
- Budget revisions and modifications to the Abt team's analytic scope of work to accommodate additional data collection effort.

Solutions:

- Addition of Dr. Dillman to the team and development of an ongoing consulting agreement for services to improve panel four response rates ;
- Modification of recruitment approach to include both referred and non-referred spouses; and,
- Modification to the scope of work to support additional data collection effort through: additional staff for NHRC; and, increased funding for survey implementation communication strategies and respondent incentives.

2.5 Next Steps – Year 4

The following highlights some of the key data collection and data analysis activities for year four of the project.

- Continue monitoring survey implementation and improvements in response rates for panel four respondents;
- Implement final strategic changes in communication strategies with panel four respondents to promote continued improvements in survey response rates; and,
- Close out data collection effort and begin implementation of data analysis protocols.

3. Key Research Accomplishments

- Recruitment of experienced survey experts (Dillman, Kulka, others if needed) to review the survey design and suggest changes;
- Begin preparation for analysis of the baseline data;
- Budget revisions and modifications to the Abt team's analytic scope of work to accommodate additional data collection effort;
- Prepare for first follow-up of Panel 4 participants; and,
- Prepare for Panel 5 baseline survey.

4. Reportable Outcomes

N/A

5. Conclusions

N/A

6. Appendices

- 1. Appendix A: Mid-Term Analytic Objectives**
- 2. Appendix B: 2011 & 2012 Scientific Review Panel Presentations**
- 3. Appendix C: Staff Descriptions – NHRC Staff Additions**
- 4. Appendix D: Weekly Reporting – Survey Implementation & Response Rates**

Appendix A: Mid-Term Analytic Objectives



Family Study Near and Mid Term Objectives

First Aim

Aim 1: Explore the association between service member deployment (e.g. combat, duration, dwell time, and frequency) and the health and well-being of spouses and children				
Area of Concentration	Near/Mid Term FY	Objective	Specific Study Question	Project Lead/Analyst
Spouses & Children, Behavioral Health			Is there an association between service member deployment and spouse mental health (e.g., anxiety, panic, depression, PTSD)?	NYU & Abt
		Compare emotional, behavioral, and medical issues of spouses of service members deployed with and without combat to service members who have not yet deployed	Is there an association between service member deployment and spouse distress (e.g., somatization, alcohol misuse/abuse, tobacco use, aggression)?	NYU & Abt
			Is there an association between service member deployment and the functional and general health of spouses (e.g., sleep, # of dx conditions, PCS, body weight, fatigue, exercise)?	NYU & Abt
		Compare emotional, behavioral, and medical issues of children of service members deployed with and without combat to service members who have not yet deployed	Is there an association between service member deployment and child behavior (e.g., strengths and difficulties)?	Duke University & Abt
		Examine number and length of service member	Is there an association between the length of	Duke University & Abt

Aim 1: Explore the association between service member deployment (e.g. combat, duration, dwell time, and frequency) and the health and well-being of spouses and children				
		deployments in relation to spouse mental health outcomes	service member deployment and spouse emotional, behavioral, and physical health outcomes?	
		Examine number and length of service member deployments in relation to child behavioral outcomes	Is there an association between the length of service member deployment and child behavioral outcomes?	Duke University & Abt

Second Aim

Aim 2: Explore the association between service member readjustment issues (e.g., PTSD, anxiety, depression, alcohol misuse/abuse) and the health and well-being of spouses and children				
Area of Concentration	Near/Mid Term FY	Objective	Specific Study Question	Project Lead/Analyst
Spouses & Children Behavioral Health, Substance Abuse		Assess association of service member readjustment issues with spouse health and well-being	Is there an association between service member PTSD, anxiety, or depression and spouse mental health and distress?	NYU & Abt
			Is there an association between service member alcohol misuse/abuse and spouse mental health and distress (e.g., somatization, alcohol misuse/abuse, tobacco use, aggression)?	NYU & Abt
			Is there an association between service member readjustment and somatic symptoms (includes sleep items)?	NYU & Abt
		Assess association of service	Is there an association	Duke University & Abt

Aim 2: Explore the association between service member readjustment issues (e.g., PTSD, anxiety, depression, alcohol misuse/abuse) and the health and well-being of spouses and children				
		member readjustment issues with child health and well-being	between service member readjustment and child behavioral, and health and well-being outcomes?	

Third Aim

Aim 3: Examine factors related to resiliency and vulnerability that moderate the association between deployments experiences and service member readjustment issues, and the health and well-being of spouses and children.				
Area of Concentration	Near/Mid Term FY	Objective	Specific Study Question	Project Lead/Analyst
Spouses & Children Behavioral Health		Determine the relationship between social support (e.g., friends, family, co-workers, neighbors) and the health and well-being of spouses and children	Does social support moderate the relationship between deployment experiences and the health and well-being of spouses and children?	Duke University, NYU & Abt
			Does social support moderate the relationship between service member readjustment and the health and well-being of spouses and children?	Duke University, NYU & Abt
		Investigate the relationship between support services (e.g., return and reunion programs, mental health and primary care providers, clergy) and the health and well-being of spouses and children	Do support services moderate the relationship between deployment experiences and the health and well-being of spouses and children?	Duke University, NYU & Abt
			Do support services moderate the relationship between service member readjustment and the health and well-being of spouses	Duke University, NYU & Abt

Aim 3: Examine factors related to resiliency and vulnerability that moderate the association between deployments experiences and service member readjustment issues, and the health and well-being of spouses and children.				
			and children?	
		Investigate the relationship between the stress of military life (e.g., multiple PCS moves) and the health and well-being of spouses and children	Does the stress of military life moderate the association between deployment experiences and the health and well-being of spouses and children?	Duke University, NYU & Abt
			Does the stress of military life moderate the association between service member readjustment issues and the health and well-being of spouses and children?	Duke University, NYU & Abt
		Investigate the association between family characteristics (e.g., number and age of children in the household, children with special physical or mental health needs) and the health and well-being of spouses	Do family characteristics moderate the relationship between deployment experiences and the health and well-being of spouses?	Duke University, NYU & Abt
			Do family characteristics moderate the relationship between service member readjustment and the health and well-being of spouses?	Duke University, NYU & Abt
		Examine the relationship between spousal adverse life events (e.g., adverse child events, major life events) and the health and well-being of spouses	Do adverse life events moderate the association between deployment experiences and the health and well-being of spouses?	Duke University, NYU & Abt
			Do adverse life events moderate the association between service member readjustment and the health and well-being of spouses?	Duke University, NYU & Abt
		Explore the relationship between employment factors	Does employment moderate the association between	Duke University, NYU & Abt

Aim 3: Examine factors related to resiliency and vulnerability that moderate the association between deployments experiences and service member readjustment issues, and the health and well-being of spouses and children.				
		and the health and well-being of spouses and children	deployment experiences and the well-being of spouses and children?	
			Does employment moderate the association between service member readjustment and the well-being of spouses and children?	Duke University, NYU & Abt
			Does dual service moderate the association between deployment experiences and the well-being of spouses and children?	Duke University, NYU & Abt
			Does dual service moderate the association between service member readjustment and the well-being of spouses and children?	Duke University, NYU & Abt
		Investigate the relationship between proximity to military services and the health and well-being of spouses and children	Does proximity to military services moderate the relationship between deployment experiences and the health and well-being of spouses and children and does this relationship differ by service component?	Duke University, NYU & Abt
			Does proximity to military services moderate the relationship between service member readjustment and the health and well-being of spouses and children and does this relationship differ	Duke University, NYU & Abt

Aim 3: Examine factors related to resiliency and vulnerability that moderate the association between deployments experiences and service member readjustment issues, and the health and well-being of spouses and children.				
			by service component?	
		Explore the role of self-mastery in the health and well-being of spouses and children	Does self-mastery moderate the relationship between deployment experiences and the well-being of spouses and children?	Duke University, NYU & Abt
			Does self-mastery moderate the relationship between service member readjustment and the well-being of spouses and children?	Duke University, NYU & Abt

Fourth Aim

Aim 4: Examine factors related to marital quality and family functioning.				
Area of Concentration	Near/Mid Term FY	Objective	Specific Study Question	Project Lead/Analyst
Spousal and family functioning		Determine service member factors that are associated with spouse reports of marital satisfaction and family functioning	Is there an association between deployment experiences (e.g. combat, duration, dwell time, and frequency) and spouse reports of marital satisfaction and family functioning (e.g., communication and cohesion)?	NHRC, Duke University & NYU
			Is there an association between service member readjustment (e.g., issues and growth) and spouse reports of marital satisfaction and family functioning?	NHRC, Duke University & NYU
			Is there an association	NHRC, Duke University &

Aim 4: Examine factors related to marital quality and family functioning.				
			between service member injury, PCS score, and number of doctor diagnosed conditions and spouse reports of marital satisfaction and family functioning?	NYU
			Is there an association between service member alcohol misuse/abuse or tobacco use and spouse reports of marital satisfaction and family functioning?	NHRC, Duke University & NYU
		Determine support factors that are associated with spouse reports of marital satisfaction and family functioning	Is social support (e.g., friends, family, co-workers) associated with spouse reports of marital satisfaction and family functioning?	NHRC, Duke University & NYU
			Is the use of support services (e.g., return and reunion programs, mental health and primary care providers, clergy) associated with spouse reports of marital satisfaction and family functioning?	NHRC, Duke University & NYU
		Determine employment related factors that are associated with spouse reports of marital satisfaction and family functioning	Is there an association between employment factors (e.g., service member occupational codes, spouse full/part time/seeking) and spouse reports of marital satisfaction and family functioning?	NHRC, Duke University & NYU
			Is there an association between service member work-family conflict and	NHRC, Duke University & NYU

Aim 4: Examine factors related to marital quality and family functioning.				
			spouse reports of marital satisfaction and family functioning?	
			Is there a relationship between the gender of the service member and spouse reports of marital satisfaction and family functioning?	NHRC, Duke University & NYU
			Is there a relationship between dual service employment and spouse reports of marital satisfaction and family functioning?	NHRC, Duke University & NYU

Fifth Aim

Aim 5: Evaluate methodological approaches to ensure adequate representation of spouses from all service branches, Reserve, and National Guard; and assess validity of assessment measures and instruments.				
Area of Concentration	Near/Mid Term FY	Objective	Specific Study Question	Project Lead/Analyst
Survey and research methodology, PTSD, behavioral health	2012	Examine methodology and target enrollment population	Describe Family Study design process, objectives, target population, data collection (similar to Gray service member study paper)	Abt & NHRC
	2013		Evaluate referral and response rates to the Family Study with the implementation of novel methodological approaches	Abt & NHRC
	2013	Conduct non-response analyses to ensure adequate representation of spouses	Did Millennium Cohort Panel 4 referral non-response and Family Study non-response impact the representation of spouses in the Family Study?	Abt & NHRC

Aim 5: Evaluate methodological approaches to ensure adequate representation of spouses from all service branches, Reserve, and National Guard; and assess validity of assessment measures and instruments.				
	2014	Examine baseline characteristics of Family Study enrolled sample	What are the baseline characteristics of Family Study participants and do they compare to other spouse study populations (similar to Ryan paper)?	Abt & NHRC
	2014	Assess validity of assessment measures and instruments	Is there concordance between spouse self-reported medical diagnoses and ICD-9 codes in Tri-care medical records?	Abt & NHRC
	2014		Are survey instruments internally consistent?	Abt & NHRC

Sixth Aim

Aim 6: Contribute data to the service member cohort study on spouse and child factors that are associated with service member health and well-being as well as length of service.				
Area of Concentration	Near/Mid Term FY	Objective	Specific Study Question	Project Lead/Analyst
Service member behavioral health, PTSD, physical health		Describe spouse related factors that are associated with service member health and well-being outcomes	Is there an association between the health and well-being of the spouse (e.g., physical health, mental health, stress, functional health) and the service member's mental and physical health?	NYU & Abt
			Is there a relationship between healthcare and support service utilization (e.g., return and reunion programs, mental health and primary care providers, clergy) by the spouse and the	NYU & Abt

Aim 6: Contribute data to the service member cohort study on spouse and child factors that are associated with service member health and well-being as well as length of service.				
			well-being of the service member?	
			Is there an association between the self-mastery of the spouse and the service member's mental and physical health?	NYU & Abt
			Is there an association between spouse modifiable behaviors (e.g., alcohol use, smoking, sleep, exercise) and the service member's mental and physical health?	NYU & Abt
			What health and well-being factors of the spouse are associated with the military members' length of service and separation?	NYU & Abt
		Describe spouse and family functioning factors that are associated with service member length of service and separation	Is there a relationship between child health and well-being and the military members' length of service and separation?	Duke University & Abt
			Is work-family conflict associated with the military members' length of service and separation?	NHRC
			Is there an association between family communication and functioning and service member health and well-being?	NHRC
		Describe factors associated with the health and well-	Are female service members with children that deploy at	Duke University & NHRC

Aim 6: Contribute data to the service member cohort study on spouse and child factors that are associated with service member health and well-being as well as length of service.				
		being of service members in dual military families	greater risk for developing mental health problems than male service members or non-deploying females?	

Appendix B: 2011 & 2012 Scientific Review Panel Presentations



*Millennium Cohort
Family Study*

**2nd Annual Scientific Review Panel Meeting
October 12, 2011, Webinar 8:30 – 11:30 PST**

- 0815 **Webinar Registration**
- 0830 **Welcome - Commanding Officer/Representative
SRP, Family Team, and Guest Introductions (Crum-Cianflone)**
- 0845 **Overview of Studies and Family Study Progress (McMaster)**
- 0900 **Survey Review: Modifications since 2010 SRP Meeting
(McMaster)**
- 0915 **Response and Referral Rates (McMaster)**
 Panel 4
 Impact of Cognitive Dissonance
 Improvement Strategies
 Open Discussion
 Family
 Improvement Strategies
 Open Discussion
- 1100 **Foundational Studies: Examination of External Validity
(Schlenger)**
- 1110 **Timeline for Follow-up Survey (McMaster)**
 Open Discussion
 Spring Meeting Planning
- 1130 **Adjourn**

Because families serve too



Because families serve too

Investigators

Co-PI Nancy Crum-Cianflone, MD, MPH

Naval Health Research Center

Co-PI John Fairbank, PhD

Duke University

Co-PI Charles Marmar, MD*

New York University

Co-I Hope McMaster, PhD

Naval Health Research Center

Co-PI William Schlenger, PhD

Abt Associates

Scientific Review Panel

Sanela Dursun, PhD

Canadian Department of National Defence

Shirley Glynn, PhD

US Department of Veterans Affairs, LA

Michael Hurlburt, PhD

University of Southern California

CDR Christine Johnson, MD

Naval Medical Center San Diego

Patricia Lester, PhD

University of California, Los Angeles

Larry Palinkas, PhD*

University of Southern California

Penelope Trickett, PhD

University of Southern California

Jennifer Vasterling, PhD

US Department of Veterans Affairs, Boston

Guests

Kate Nassauer, PhD

Military Operational Medicine

Research Program

Donald Dillman, PhD

Washington State University

LTC Paul Bliese, PhD

Walter Reed Army Institute of Research

Study Team

Doug Fuller, PhD

Abt Associates

Maj Nisara Granado, PhD

Naval Health Research Center

Isabel Jacobson, MPH*

Naval Health Research Center

Kelly Jones, MPH

Naval Health Research Center

Cynthia LeardMann, MPH*

Naval Health Research Center

Kari Sausedo, MA

Naval Health Research Center

Beverly Sheppard

Naval Health Research Center

Besa Smith, MPH, PhD

Naval Health Research Center

Ellen Gerrity, PhD*

Duke University

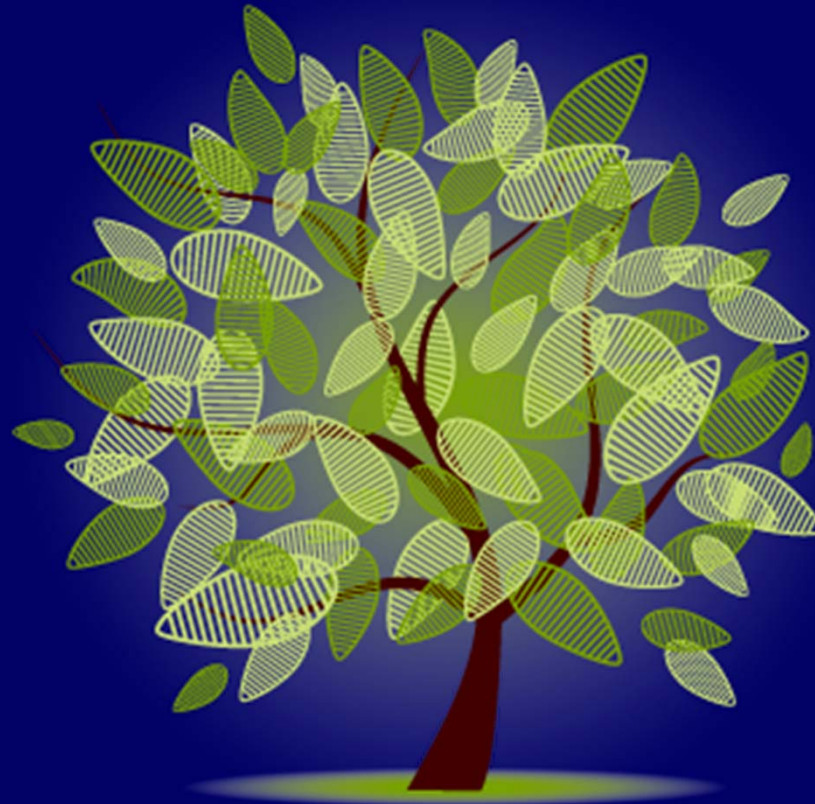
Lisa Amaya-Jackson, MD, MPH*

Duke University

Johanna Greeson, PhD*

Duke University

*Unable to attend



Millennium Cohort Family Study

Overview of Studies and Family Study Progress

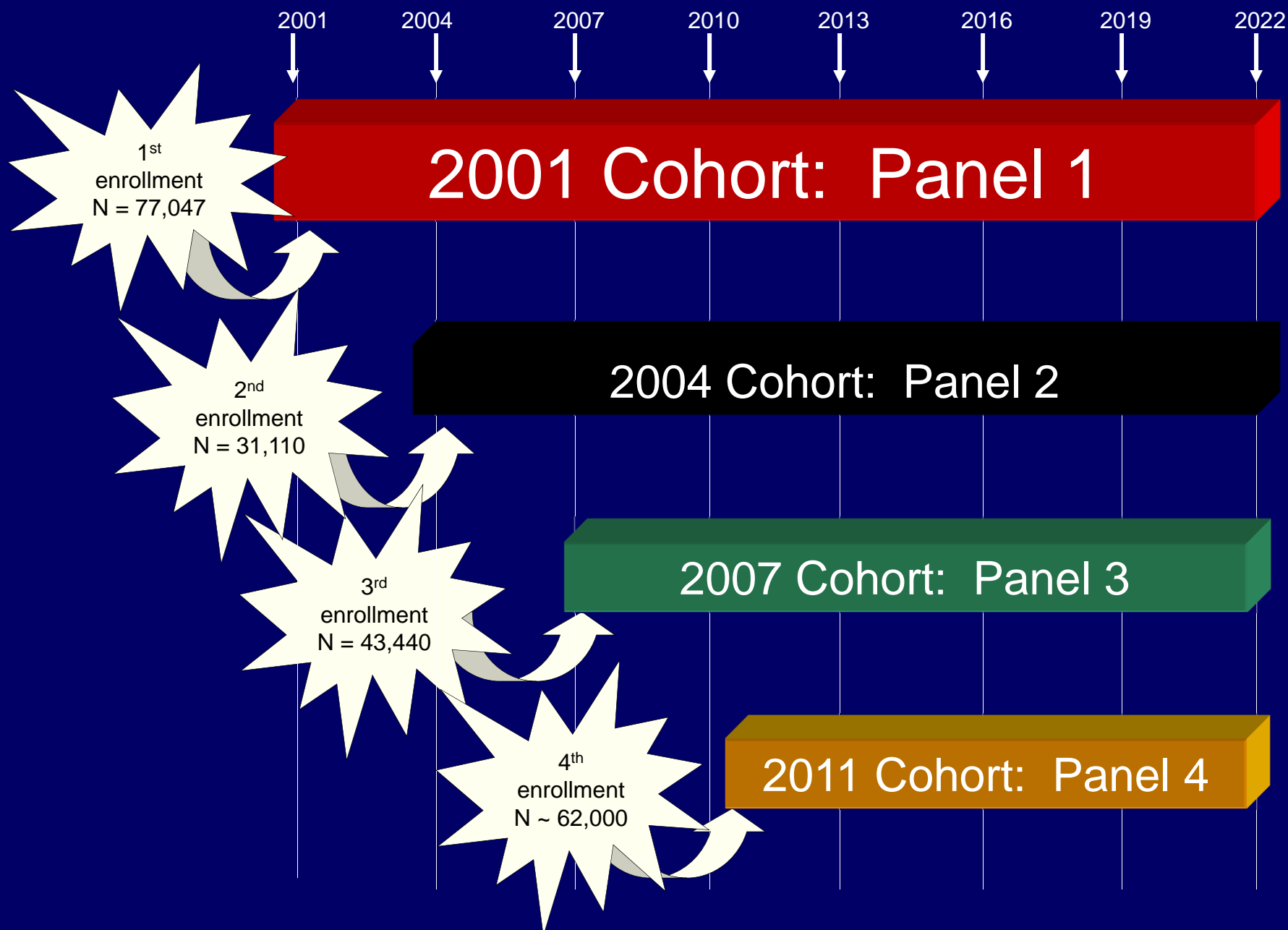
Hope McMaster, PhD

Millennium Cohort Study

- The **Millennium Cohort Study** was launched in 2001 in collaboration with all US military services and the Department of Veterans Affairs, prior to the conflicts in Iraq and Afghanistan
- Cohort members are surveyed every ~3 years to prospectively examine how deployment and other military occupational exposures affect the long-term physical and mental health of military members and veterans



Millennium Cohort Enrollment by Panel



Overview of Response and Follow-up Rates



➤ Panel 1

- Wave 1 (2001-2003): 77,047/214,040 (36.0% response rate)
- Wave 2 (2004-2006): 55,021/77,047 (71.4% follow-up rate)
- Wave 3 (2007/2008): 54,790/77,047 (71.1% follow-up rate)

➤ Panel 2

- Wave 1 (2004-2006): 31,110/122,485 (25.4% response rate)
- Wave 2 (2007/2008): 17,152/31,110 (55.1% follow-up rate)

➤ Panel 3

- Wave 1 (2007/2008): 43,440/153,650 (28.3% response rate)

Current Status



- **~30% baseline response rate**
- **~70% follow-up**
- **>50% deployed to current operations**
- **~30% separated from the military**

Family Study:

Background and Rationale



Millennium Cohort
Family Study

- **Little is known about deployment-related outcomes for spouses and other family members**
- **War-zone deployment can be understood as representing an extreme case of work-family conflict resulting in degraded individual and family functioning:**
 - **Extended geographic separation**
 - **Constant threat of bodily harm**
 - **Anxiety and mood changes**
 - **Substance abuse and related problems**
 - **Service member concern over events at home**



Millennium Cohort
Family Study

Objective: Address important health and well-being questions about service members and their families in the context of military deployment and other occupational exposures

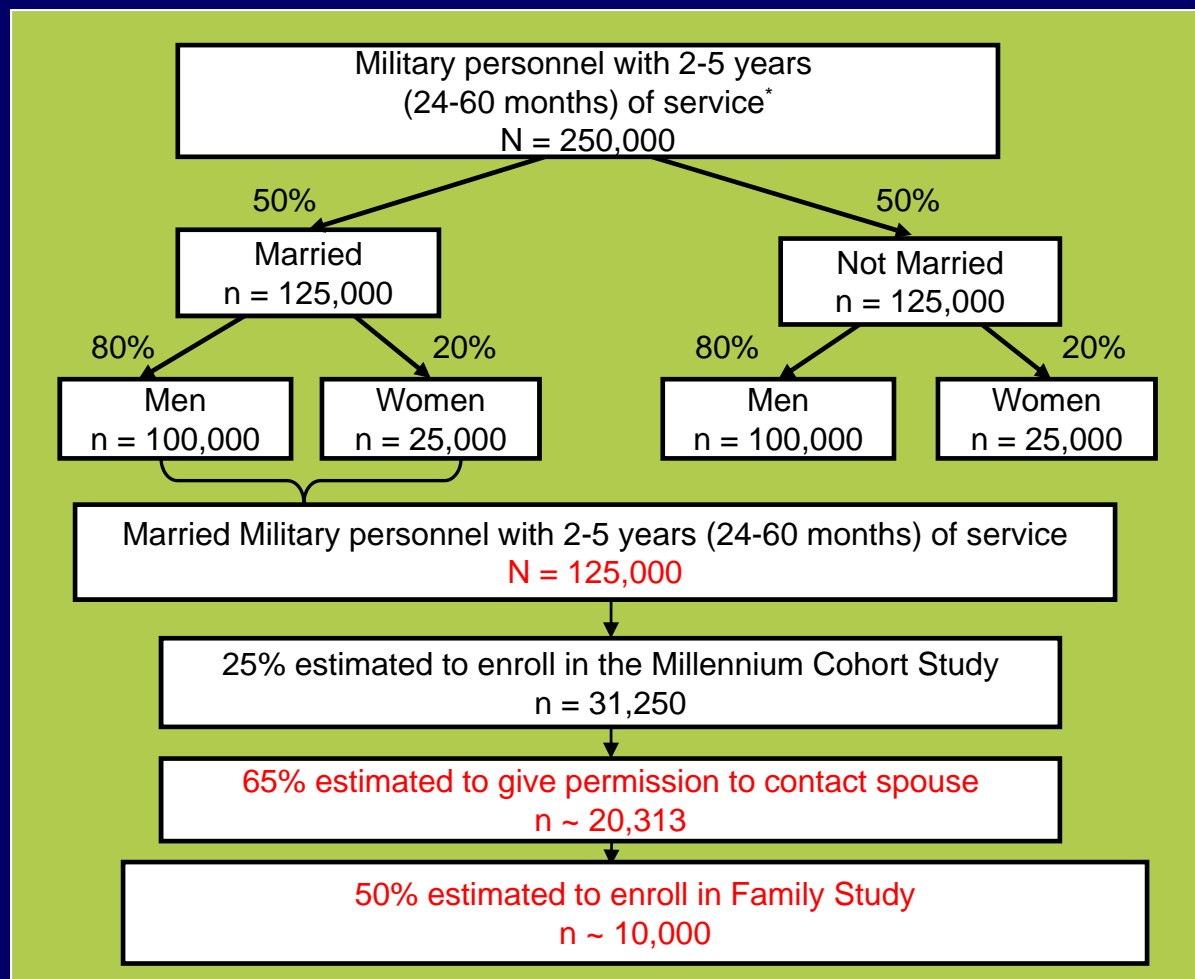
- To provide strategic policy recommendations that inform leadership and guide interventions**



Family Study Sample



Panel 4 of the **Millennium Cohort Study** includes a probability sample of military service members (active duty, reserve, and National Guard)



***Oversampling for female and married service members**

Study Progress: Survey



Millennium Cohort
Family Study

- Cognitive interviews completed (Dec 2010)
- Web-survey developed and testing completed (March 2011)
- OMB approval received (21 March 2011)
- \$10 gift card process finalized (June 2011)
- Panel 4 launched and Family referrals received (7 June 2011)
- **Survey launched (22 June 2011)**
- Survey monitoring protocol developed (ongoing - weekly testing)

Study Progress: Marketing



Millennium Cohort
Family Study

- **Family study secure website developed and launched (August 2010)**
- **Marketing materials developed (on-going)**
- **Wikipedia page created (July 2011)**
- **Facebook page created (July 2011)**
- **Press releases mailed (June 2011)**
- **Marketing consultant hired (October 2011)**
- **Internationally recognized survey consultant hired (October 2011)**

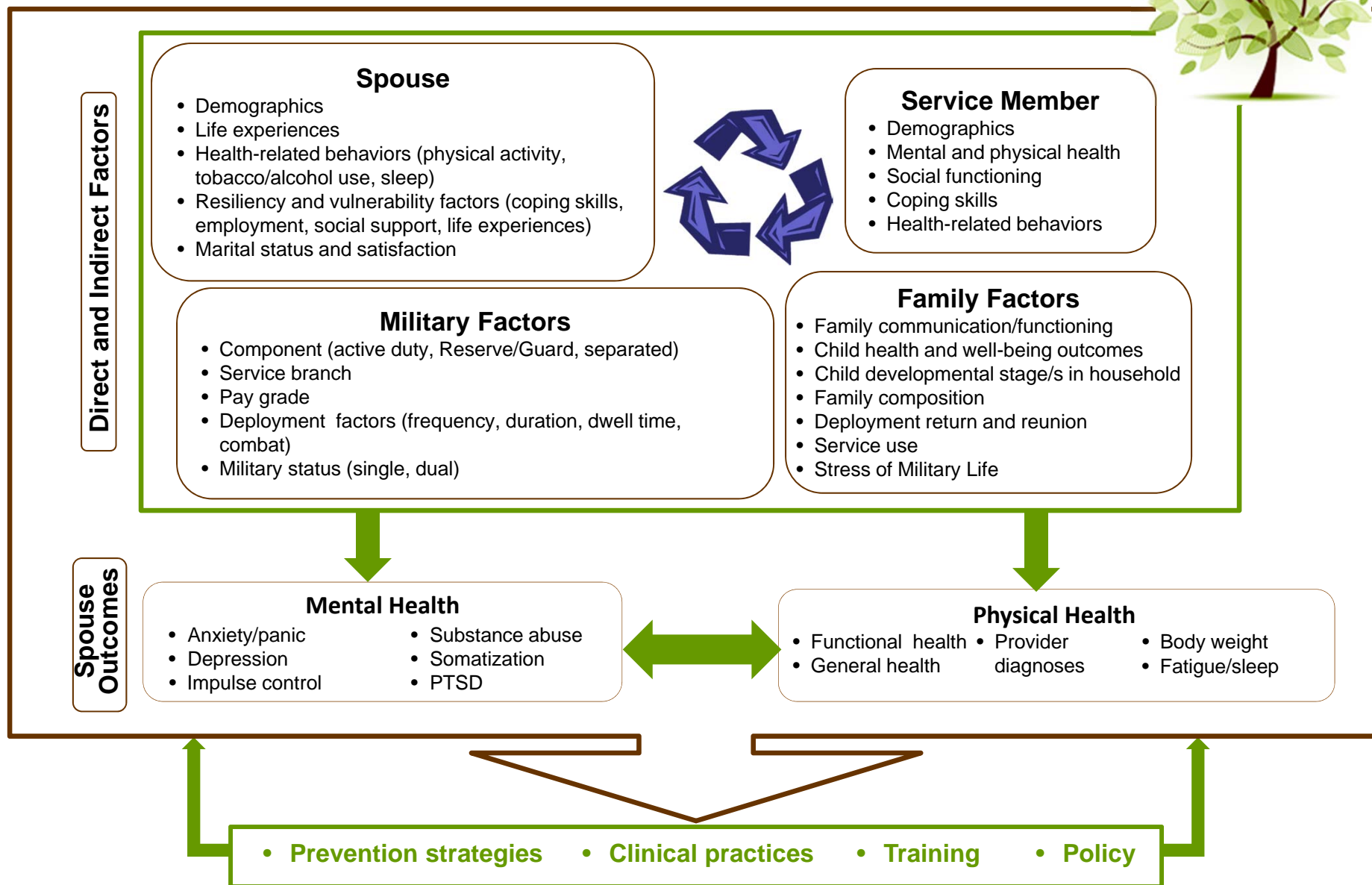
Study Progress: Analysis Planning



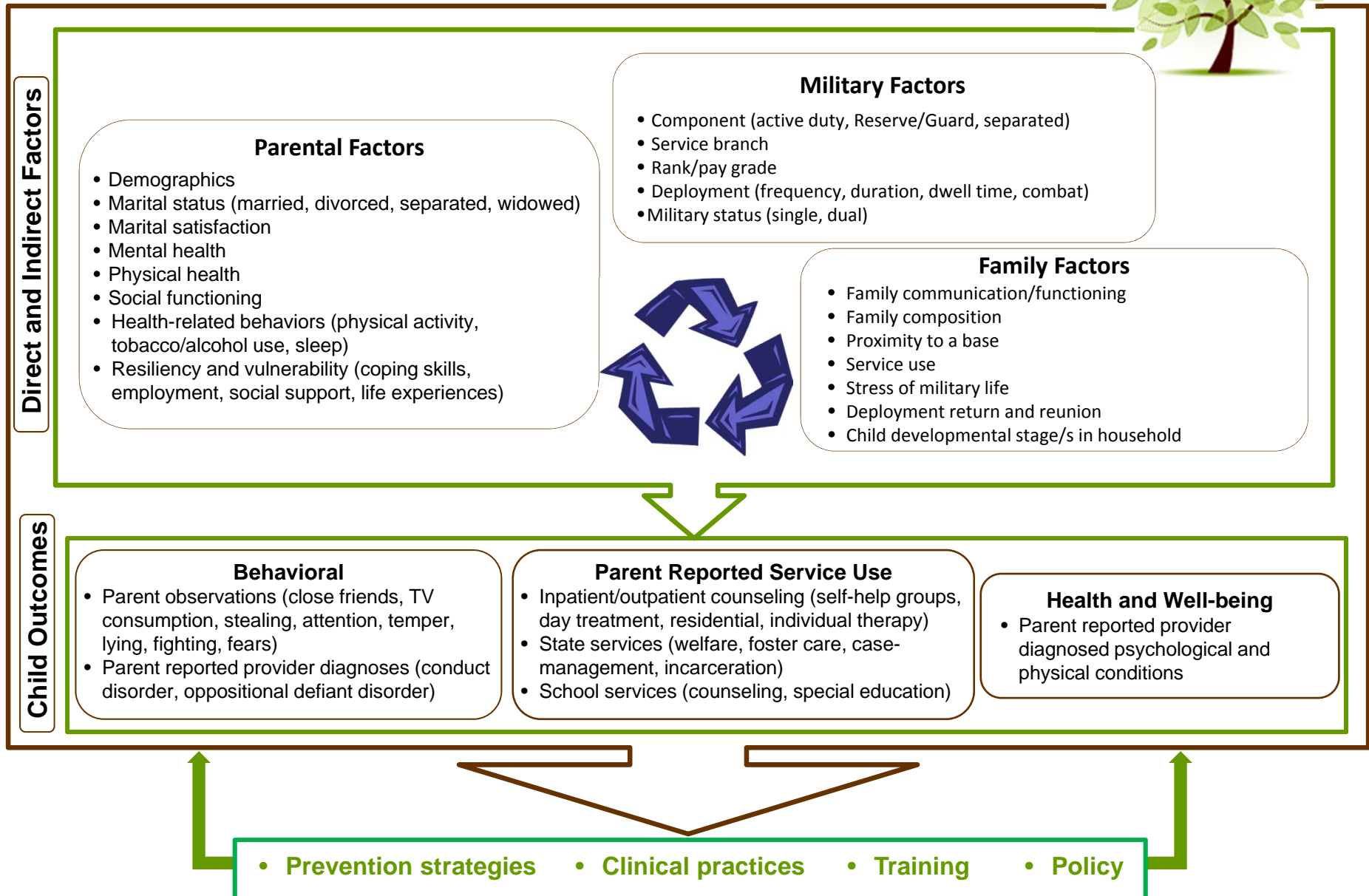
Millennium Cohort
Family Study

- **Study aims and design presented and critically discussed (on going)**
- **Data dictionary created (April 2011)**
- **Conceptual models created (May 2011))**
- **Collaboration protocol developed (June 2011)**
- **Initial data pull and variable creation (in progress)**
- **Stakeholder interviews (in progress)**
- **Focus groups (HRPO approved)**

Millennium Cohort Family Study: Spouse Model



Millennium Cohort Family Study: Child Model





Millennium Cohort
Family Study

**Panel 4 Referral Rates and
Improvement Strategies**

Millennium Cohort Participant Contact During Survey Cycle



- Survey packet (4)
 - Survey
 - Cover letter
 - Business Reply Envelope
 - Consent Form (Panel 4)
- Automated voice message
- Emails (1 per month)
 - Incomplete survey reminder email (1 per month)
- Incentives
 - Gift card (\$5)
 - Millennium Cohort Coin
 - Millennium Cohort Hat



➤ Postcards

- Survey cycle postcards (4)
- Memorial Day and Veterans Day
- Large format graphic postcard



Department of Defense Official Research

Helping to complete the picture of military health and well-being by including service members and their spouses




For complete information about
the Millennium Cohort Study:
<http://www.millenniumcohort.org>

For complete information about
the Millennium Cohort Family Study:
<http://www.familycohort.org>



Method



INTRODUCING THE FAMILY STUDY

WE NEED YOUR PERMISSION BEFORE WE CAN INVITE YOUR SPOUSE

Ed, thank you for making a valuable contribution to current and future service members by taking the time to complete your survey. The information you provided today will be even more helpful if we also hear from your spouse. The Family survey and the Millennium Cohort survey work together to build a more complete picture of how your family is handling military life. [Tell me more...](#)

Because families serve too

\$10 GIFT CARD FOR SPOUSE COMPLETING SURVEY

YES, I WOULD LIKE TO INVITE MY SPOUSE

>>>

Your spouse is NOT obligated to participate.

Why

Without your consent, we won't be able to hear from your spouse regarding issues that are important to military families.

Your Free Gift

Please do not close this page, your free gift selection is coming up!

Questions

We can be reached at our toll-free number 1-800-571-9248, DSN 553-7465, or email team@familycohort.org.

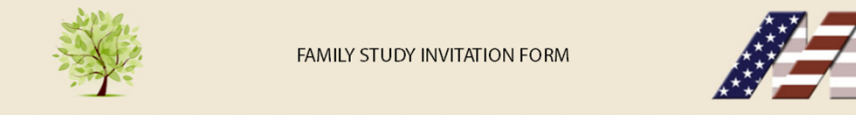
YES, I WOULD LIKE TO INVITE MY SPOUSE AT THIS TIME

SKIP TO FREE GIFT SELECTION

Married service members are asked to grant permission to contact their spouse



Millennium Cohort
Family Study



FAMILY STUDY INVITATION FORM

What is the study about?

Family relationships play an important role in the functioning and well-being of US military service members. The Millennium Cohort study is launching a family component to assess the interrelated health effects of military service on service members, spouses and their children. This study is called the Millennium Cohort Family Study. Since you are a member of the Millennium Cohort Study, we are asking you to grant permission for us to contact your spouse so he/she can participate in this new important research. This family study will ask questions of a sensitive nature about health, medical, and behavioral issues about you, your spouse, and your children (if you have any). Because some questions about you are being asked of your spouse, you are a 'secondary subject' in the Family Cohort Study. Thus, we need your consent to be a secondary subject as well as to allow us to ask your spouse if they would be willing to participate. You may view the survey by clicking on the PDF below. Your consent and your spouse's participation are completely voluntary.

If we contact your spouse, we will ask your spouse to complete the Millennium Cohort Family Study survey via our website. At this time, your spouse may decide to participate or decline. Again, participation is completely voluntary. We will connect your spouse's survey data to other medical and personnel data maintained

Voluntary Consent

I consent to my spouse participating in the study described above and to myself being considered a "secondary subject" (spouse answers questions about me). My consent is completely voluntary. My consent in no way obligates my spouse to participate in the Family Study. My consent is indicated by my typing in my name and selecting, "YES, you have permission to contact my spouse".

[Please click here to print a copy of this page for your records.](#)

All fields marked with an asterisk (*) are required.

*Type YOUR Name:

☒ YES, you have permission to contact my spouse

☐ NO, you do not have permission to contact my spouse

*SPOUSE'S first name:

SPOUSE'S middle name:

*SPOUSE'S last name:

*Email:

Phone:

☐ Use my mailing address for my spouse

Address Line 1:

Address Line 2:

City (or FPO/APO):

State (or AA/AE/AP):

Zip Code:

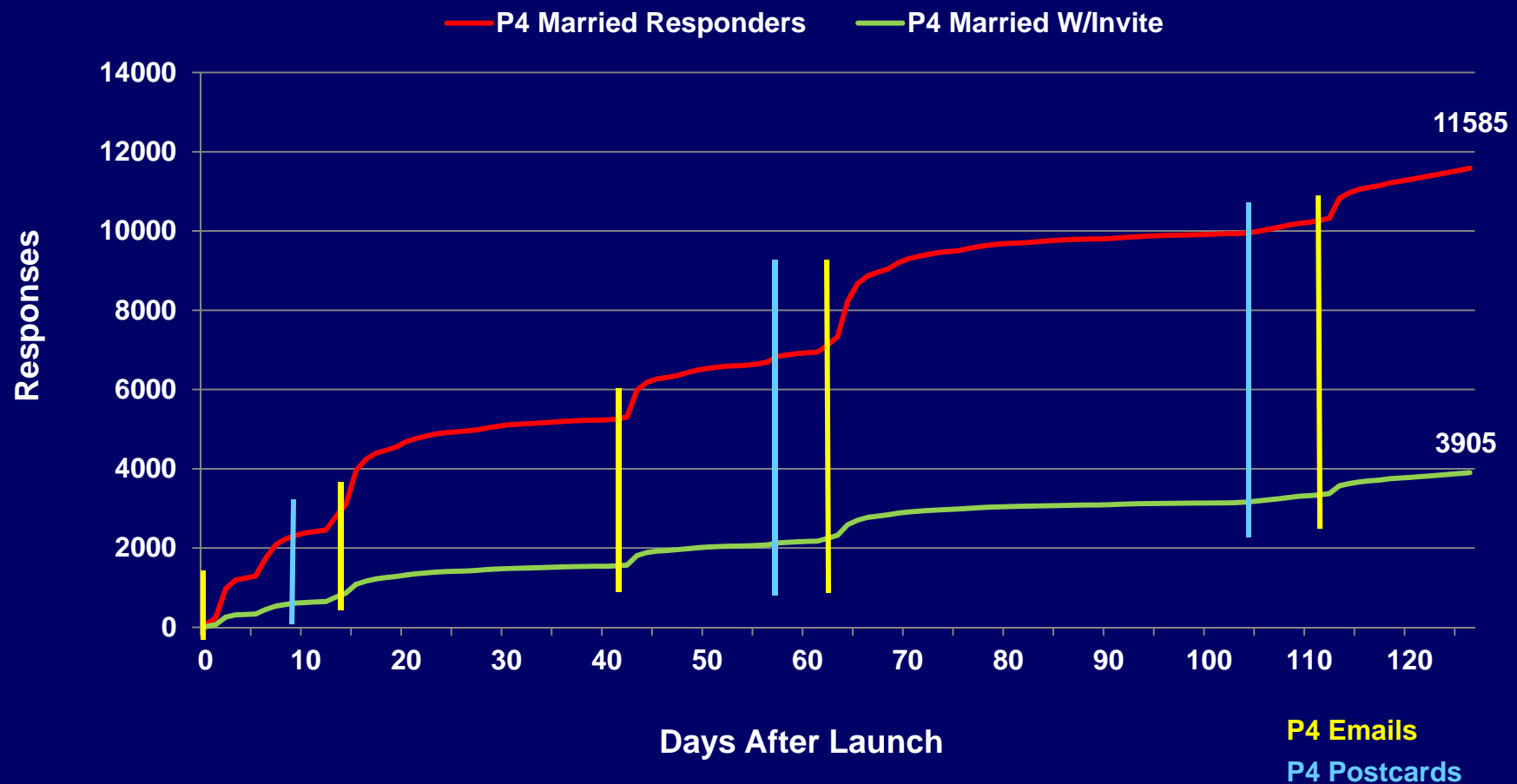
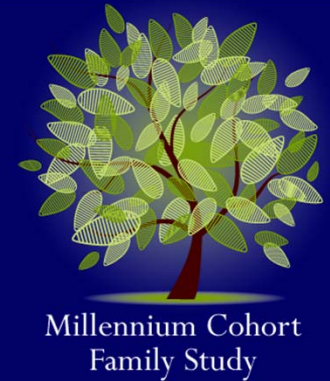
Country:

VIEW A COPY OF THE SURVEY

SUBMIT & SELECT FREE GIFT

Service Member Referrals

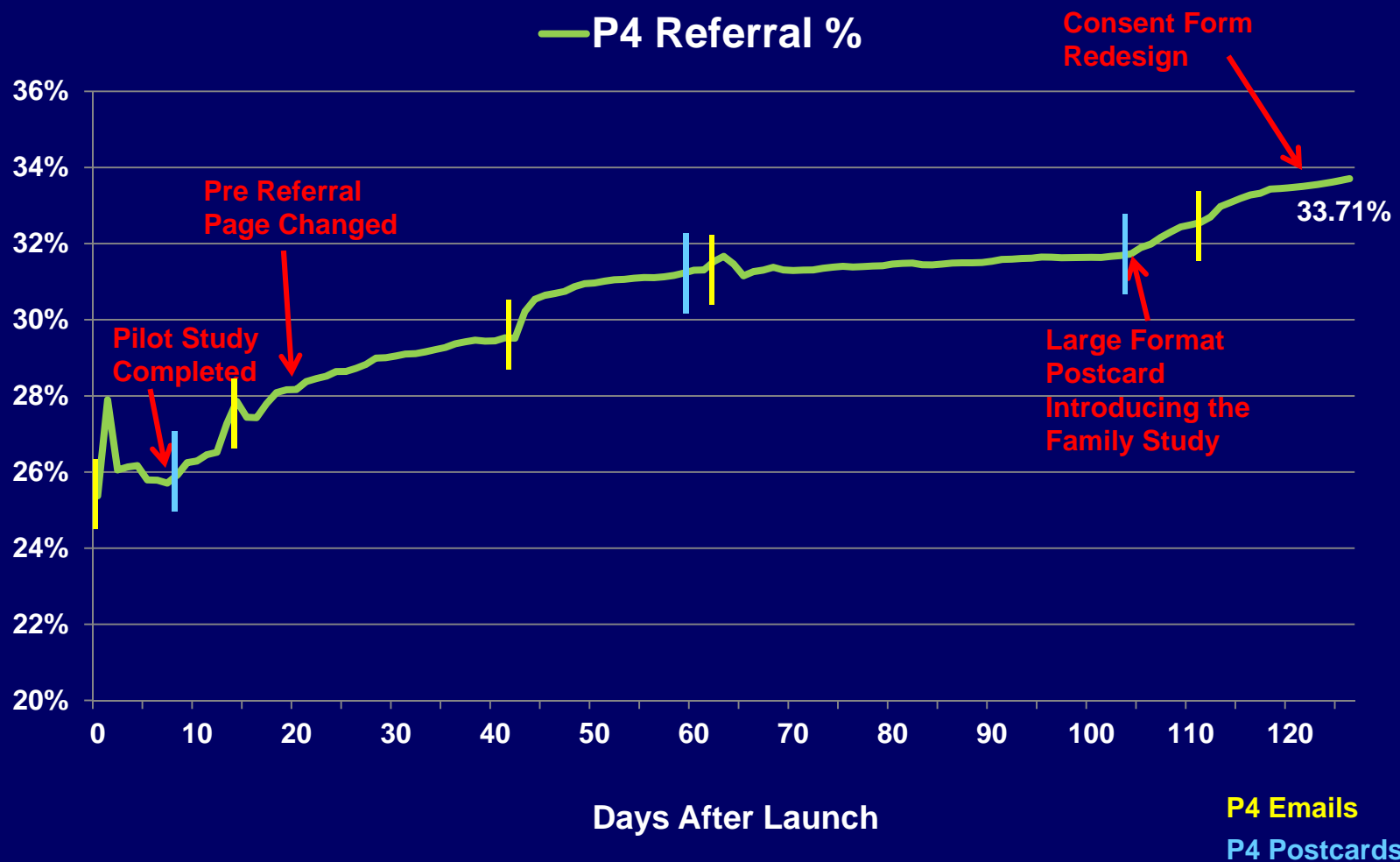
- 65% estimated to refer spouse
 - » Was holding at 32%, now improving



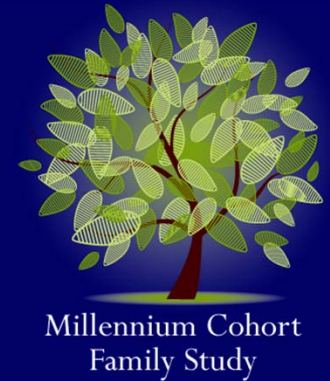
Service Member Referral Rate



Millennium Cohort
Family Study



Cognitive Dissonance (Via Effort Justification) Study



- This pilot study utilized a random selection of married Panel 4 Millennium Cohort members taking the web version of the survey (N = 598)
- After consenting to participate in the Millennium Cohort study, they were randomly assigned to one of two groups
 - Group 1 – referral seen directly after reporting marital status
 - Group 2 – referral seen after submitting their completed survey
- Of the 494 (83%) service members completing the Millennium Cohort survey, referrals by group were significantly different ($P < 0.001$)
 - Group 1 – 7/236 (3%) referred their spouse
 - Group 2 – 81/258 (31%) referred their spouse

***No difference in survey completions by group**

Evolution of the Referral Process

Because you're married,
we'd like to hear from your spouse!



Introducing the Millennium Cohort Family Study



...because families serve too

In order to continue with the survey and select your free gift, you must indicate that you do or do not consent to your spouse participating in the Millennium Cohort Family Study. [Jump to the consent form](#)

What is the study about?

Family relationships play an important role in the functioning and well-being of US military service members. The Millennium Cohort study is launching a family component to assess the interrelated health effects of military service on service members, spouses and their children. This study is called the Millennium Cohort Family Study. Since you are a member of the Millennium Cohort Study, we are asking you to grant permission for us to contact your spouse so he/she can participate in this new important research. This family study will ask questions of a sensitive nature about health, medical, and behavioral issues about you, your spouse, and your children (if you have any). Because some questions about you are being asked of your spouse, you are a 'secondary subject' in the Family Cohort Study. Thus, we need your consent to be a secondary subject as well as to allow us to ask your spouse if they would be willing to participate. You may view the survey by clicking on the PDF below. Your consent and your spouse's participation are completely voluntary.

If we contact your spouse, we will ask your spouse to complete the Millennium Cohort Family Study survey via our website. At this time, your spouse may decide to participate or decline. Again, participation is completely voluntary. We will connect your spouse's survey data to other medical and personnel data maintained by the Department of Defense and Department of Veterans Affairs regarding you and your spouse. The survey will be administered to your spouse online only. Your spouse will be asked to complete 7 follow-up surveys over 21 years, with one survey to complete every 3 years.

What risks are involved in the study?

The risks to you, your spouse, and any children are those associated with the inappropriate disclosure of data your spouse provides. However, this research group has collected similar information from numerous studies over many years without any cases of inappropriate disclosure. There is a risk of possible discomfort to your spouse from answering some sensitive questions, but they may skip any question(s) that makes them uncomfortable.

Who can provide additional information if you need it?

Questions about the research (science) aspects of this study should be directed to the principal investigator of the Millennium Cohort Family Study at FamCohortInfo@med.navy.mil or (800) 571-9248. You may also refer to the web site at www.FamilyCohort.org for more information. Questions about the ethical aspects of this study or any problem related to the protection of research volunteers should be directed to Christopher G. Blood, JD, MA, Chairperson, Institutional Review Board, Naval Health Research Center, at NHRC-IRB@med.navy.mil or (619) 553-8386.

Voluntary Consent

I consent to my spouse participating in the study described above and to myself being considered a "secondary subject" (spouse answers questions about me). My consent is completely voluntary. My consent in no way obligates my spouse to participate in the Family Study. My consent is indicated by my typing in my name and selecting, "YES, you have permission to contact my spouse".

Please print a copy of this page for your records.

All fields marked with an asterisk (*) are required.

*Type YOUR Name:

- ☐ YES, you have permission to contact my spouse
- ☐ NO, you do not have permission to contact my spouse

*SPOUSE'S first name:
SPOUSE'S middle name:

Because families serve too...

1. We would like to invite your spouse to participate in the Millennium Cohort Family Study.
2. Your spouse is one of a select few chosen to represent the experiences of military families.
3. We need your permission before we can invite your spouse.
4. Your spouse is NOT obligated to participate.
5. On the next page, please enter your choice regarding contacting your spouse.

Select your FREE GIFT after completing the referral!

Next Page

INTRODUCING THE FAMILY STUDY

WE NEED YOUR PERMISSION BEFORE WE CAN INVITE YOUR SPOUSE

Ed, thank you for making a valuable contribution to current and future service members by taking the time to complete your survey. The information you provided today will be even more helpful if we also hear from your spouse. The Family survey and the Millennium Cohort survey work together to build a more complete picture of how your family is handling military life. Tell me more...

\$10 GIFT CARD FOR SPOUSE COMPLETING SURVEY

YES, I WOULD LIKE TO INVITE MY SPOUSE

>>>

Your spouse is NOT obligated to participate

Why

Without your consent, we won't be able to hear from your spouse regarding issues that are important to military families.

Your Free Gift

Please do not close this page, your free gift selection is coming up!

Questions

We can be reached at our toll-free number 1-800-571-9248, DSN 553-7445, or email team@familycohort.org.

FAMILY STUDY INVITATION FORM

What is the study about?

Family relationships play an important role in the functioning and well-being of US military service members. The Millennium Cohort study is launching a family component to assess the interrelated health effects of military service on service members, spouses and their children. This study is called the Millennium Cohort Family Study. Since you are a member of the Millennium Cohort Study, we are asking you to grant permission for us to contact your spouse so he/she can participate in this new important research. This family study will ask questions of a sensitive nature about health, medical, and behavioral issues about you, your spouse, and your children (if you have any). Because some questions about you are being asked of your spouse, you are a 'secondary subject' in the Family Cohort Study. Thus, we need your consent to be a secondary subject as well as to allow us to ask your spouse if they would be willing to participate. You may view the survey by clicking on the PDF below. Your consent and your spouse's participation are completely voluntary.

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Voluntary Consent

I consent to my spouse participating in the study described above and to myself being considered a "secondary subject" (spouse answers questions about me). My consent is completely voluntary. My consent in no way obligates my spouse to participate in the Family Study. My consent is indicated by my typing in my name and selecting, "YES, you have permission to contact my spouse".

Please click here to print a copy of this page for your records.

All fields marked with an asterisk (*) are required.

*Type YOUR Name:

☒ YES, you have permission to contact my spouse

☐ NO, you do not have permission to contact my spouse

*SPOUSE'S first name:

SPOUSE'S middle name:

*SPOUSE'S last name:

*Email:

Phone:

☐ Use my mailing address for my spouse

Address Line 1:

Address Line 2:

City (or FPO/APO):

State (or AA/AE/AP):

Zip Code:

Country:

Strategies for Panel 4: Completions

- Continuing strategies from previous cycles including semiannual postcards, automated telephone messages, “Welcome to the Cohort” campaign, and LES messages
- Enhanced messages for all communications using Dillman techniques
- Large format postcards with emphasis on Family
- Currently working with Navy information technology department to allow sending .mil emails from NHRC
- Considering sending service branch specific emails/letters
- Considering pre-survey incentives
 - Sending an incentive to subjects with survey invitation will play on the “norm of reciprocity”

Strategies for Panel 4: Referrals

- **Enhanced messages for all communications using Dillman techniques**
- **Messages tailored to married invitees**
- **Automated phone calls tailored to married new enrollees**
- **Addition of a “pre-referral” page to survey**
- **Large format postcards emphasizing the connection between both studies**
- **Emailing non-referring Panel 4 completers and offering them another opportunity to refer their spouse**
- **Press releases mentioning Family Study**
- **Using QR codes on print mail to link to videos/website**



Millennium Cohort
Family Study

**Family Completion Rates and
Improvement Strategies**

Family Cohort Participant Contact During Survey Cycle



Millennium Cohort
Family Study

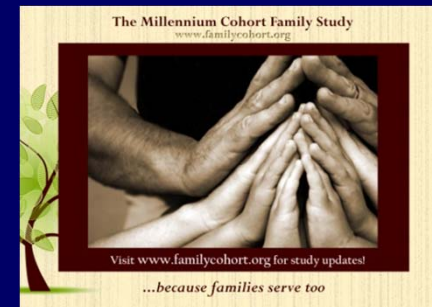
➤ Postcards

- Month of the Military Child (April)
- Family Appreciation Day (Sept)

➤ Magnet Frame and Personalized Card

➤ Emails

- Invitation
- Reminder email (2 per month)



➤ Incentives

- Shutterfly.com \$10 gift code
- \$10 Gift card





Millennium Cohort Family Study



Dear {fullname},

You are being invited to participate in a Department of Defense (DoD) survey being conducted by the Department of Deployment Health Research. The purpose of the Millennium Cohort Family Study is to gain a more complete understanding of the military experience and its impact on the health and well-being of service members and their families. Your contact information was provided to us by your sponsor, who is a participant in the Millennium Cohort Study.

Please know, this is an authorized study supported by the highest levels of the DoD and that your responses are very important. This is your chance to have your experiences shape policy and interventions that positively impact military families.

Please log on to our secure website now and complete your online questionnaire:
<https://secure.familycohort.org/users/login/>

Your Subject ID: {sid}

Sincerely,
 The Family Study Team



If you have any questions or comments, please do not reply to this email message. Instead, please visit:
<http://www.familycohort.org/>

If you would prefer to reach us by phone, please dial toll-free (800) 571-9248.

If you would like this email address to be removed from our mailing list, please [click here](#).

START
SURVEY

Receive a
free gift
for completing
the survey!



\$10 Gift Card



\$10 Gift Card



\$10 Gift Card

To learn more,
please visit
our website:
www.familycohort.org

Invitation Email

Subject Line: Because Families Serve Too



Dear <First Name>

Because families serve too

Your spouse, <Spouse First Last Name>, who is a participant in the Millennium Cohort Study, has provided us with your contact information, so that we can invite you to participate in the Family Study.

The Family Study is designed to work in partnership with the Millennium Cohort Study to better understand how military families are coping with military life after nearly a decade of war. We are providing spouses with the opportunity to participate, because knowing their situation helps us form a better understanding of how they are coping and how we can serve them more effectively.

Because the impact of military service on families may not be known immediately, the Family Study is designed to follow military families over time. Even if your spouse is no longer in the service, or if you become separated, divorced or widowed, we would like to invite you to take the Family Study survey once every three years.

We've created an easy way for you to take the survey. Just click on the link below to logon to our secure website. In order to verify your identity, we ask that you provide the last four digits of your spouse's Social Security Number.

<https://secure.familycohort.org/users/login/>

Your Subject ID is:

If you would like to learn more about the Family Study before making your decision, please visit our website: www.familycohort.org

As a military spouse whose husband is currently deployed, I know that your time is limited and I know that finding the time to complete your survey may be difficult. I also know that unless the questions are asked, no one will know your answers. We would greatly appreciate hearing from you – because families serve too.

Very Respectfully,

Hope McMaster, PhD
 Family Study Co-Investigator

P.S. As a token of our appreciation, you will receive a \$10 gift card for completing the Family Study survey.

If you have any questions, please contact the Millennium Cohort Family Study team at our toll-free number 1-800-571-9248, or DSN 553-7465, or email team@familycohort.org.

* Modified September 13th 2011



Millennium Cohort
Family Study

The Millennium Cohort Family Study
www.familycohort.org



Visit www.familycohort.org for study updates!

...because families serve too

Card with note

...because families serve too

Dear <insert name>

You have been invited to participate in the Millennium Cohort Family Study. The purpose of this research is to explore the impact of military service on the health and well-being of service members and their families.

Your contact information was provided to us by your sponsor, who is a participant in the Millennium Cohort Study.

Please know this is an authorized study supported by the highest levels of the Department of Defense and that your responses are very important.

If you have not completed your survey, please log on to our secure website www.FamilyCohort.org with your Subject ID: 1100961.

Thank you for your participation and support of this very important research!

Very Sincerely,

Nancy F. Crum-Cianflone, MD, MPH

Hope M. McMaster, PhD

John A. Fairbank, PhD

William F. Schlenger, PhD

For The Millennium Cohort Family Study Team

Magnet Picture Frame

Millennium Cohort Family Survey



Please login to your survey with your Subject ID (provided by the study) and the last four digits of your **SPONSOR'S** Social Security Number.

Subject ID:

SPONSOR'S
Social Security Number:
(just the last 4 digits)

Login



Millennium Cohort
Family Study

[Learn more...](#)

The Millennium Cohort Family Study is a Department of Defense research project at the DoD Center for Deployment Health Research, located in San Diego, California. Note DMDC Reference Number 00-0019, RCS Number DD-HA(AR)2106, OMB Approval Number 0720-0029, ASD/HATMA Protocol Number CDD-06-206, and Primary IRB Protocol Number NHRC 2000.0007 © 2010, Millennium Cohort Family Study, all rights reserved.



Millennium Cohort
Family Study

Family Study Website

Because Families Serve Too

Survey Login Page

HOME

SURVEY

ABOUT THE STUDY

F.A.Q.

ABOUT US

UPDATE YOUR ADDRESS



Millennium Cohort
Family Study

a substudy
of the



ABOUT THE STUDY

RESEARCH

START
SURVEY

FREE GIFT

STUDY UPDATE

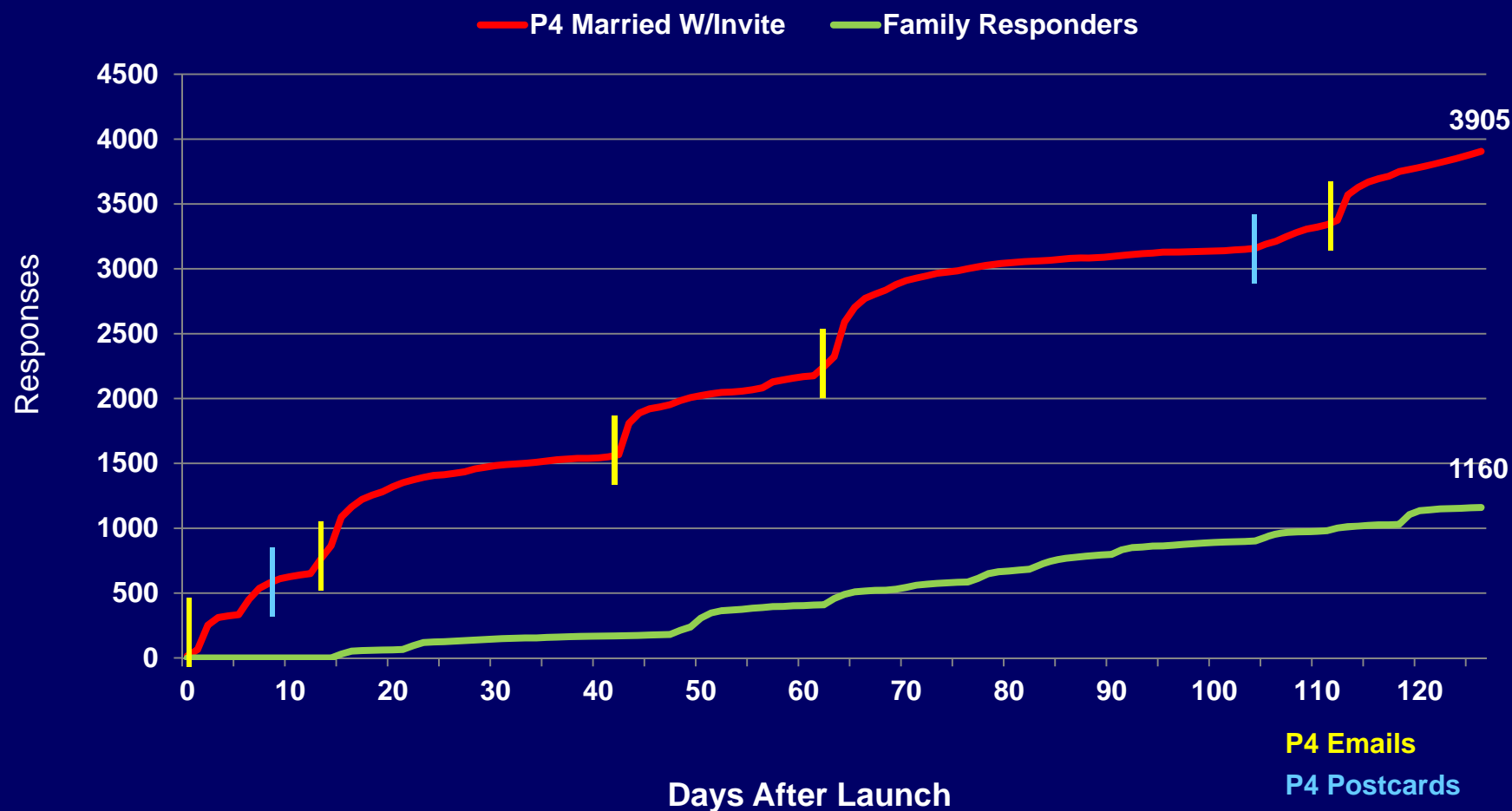
Family Cohort Responders

–50% estimated to respond

» 30% and increasing



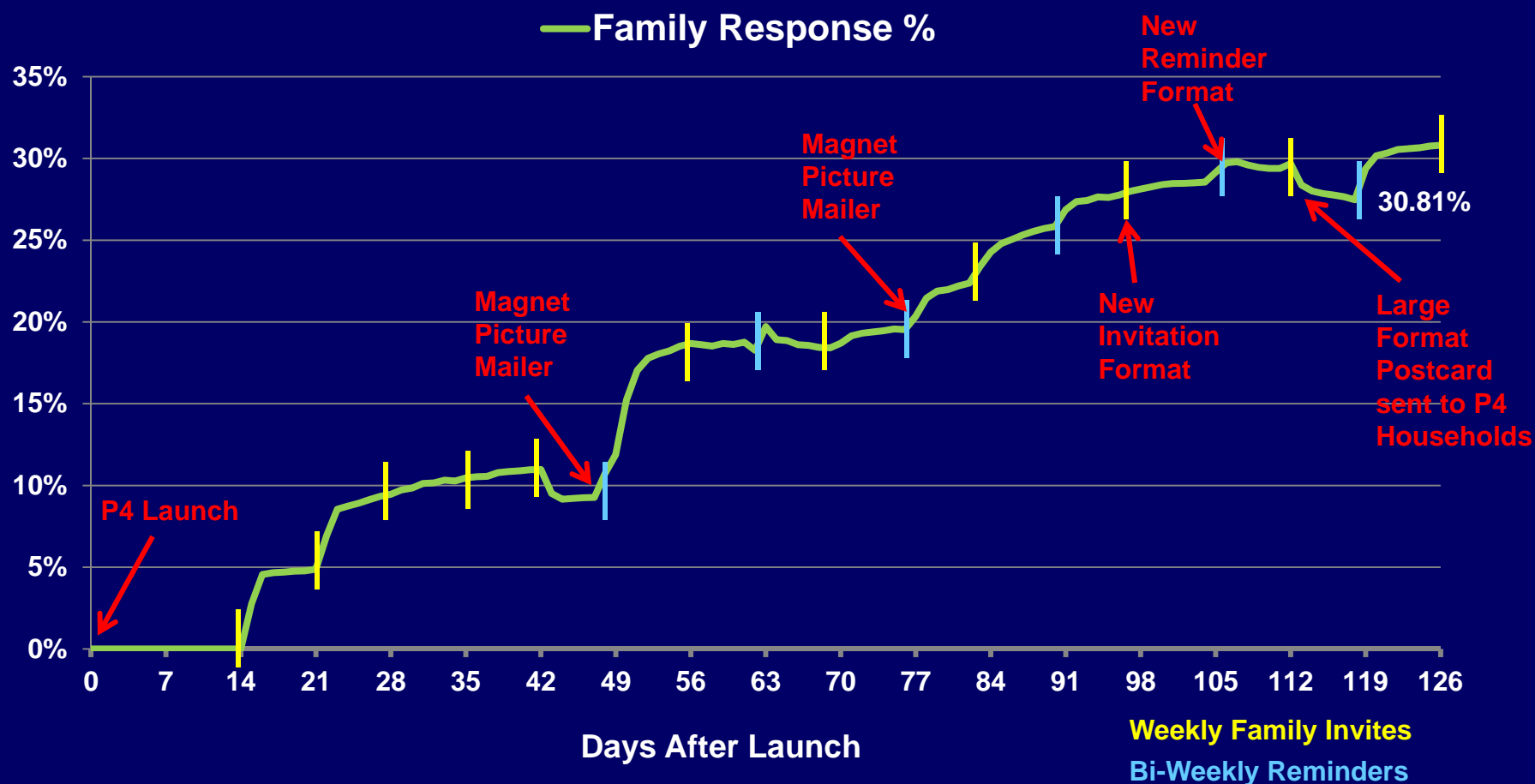
Millennium Cohort
Family Study

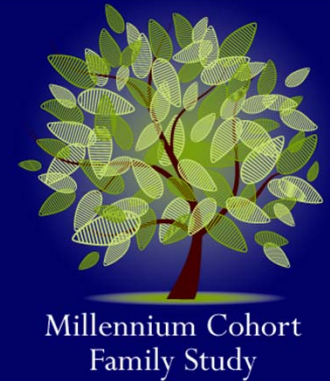


Family Cohort Response Rates



Millennium Cohort
Family Study





Family Specific Strategies

- **Modified Panel 4 referral process – improved functionality of invitation page, enhanced message, multiple contacts**
- **New Enrollee print marketing campaigns that focus on the “couple” joining and enhanced message**
- **Playing on the “norm of reciprocity” by including a free gift with invitation for Panel 4 and Family Study (under review)**
- **Accelerated email schedule**
- **Special Postcards (April /September)**



Millennium Cohort
Family Study

Foundational Studies

William Schlenger, PhD

Foundational Studies: Examination of External Validity



- **Non-response analysis:**
To whom do the findings generalize?
 - Model participation in the study
 - Create model-based predicted probability of participation for *everyone* in the sample
 - Create non-response adjustment weights as inverse of predicted probability
 - Constraint: Panel 4 sample includes only service members who joined the military after the Panel 3 sample was drawn



Millennium Cohort
Family Study

Foundational Studies: Examination of Internal Validity

- **Comparability analysis:**
Are the analytic comparisons based on the nonequivalent comparison group quasi-experimental design “fair?”
 - Model being a spouse of a service member deployed to OEF/OIF/OND at least once
 - Examine the distributions of predicted probability of being a spouse of deployed service member across and within quintiles
 - If distributions are similar, comparisons made with predicted probability (or the significant predictors in the model separately) controlled are “fair”

Foundational Studies: Examination of Internal Validity (cont.)

- If distributions are not similar in one or more of the quintiles, typically the analysis is carried out only in the quintiles with similar distributions, and the findings generalize only to people with characteristics similar to those in the similar-distribution quintiles
- Alternatively, the analysis can be conducted as a case-control study, using only those participants for whom there is a person in the comparison group who has a similar predicted probability of being in the deployed spouse group



Millennium Cohort
Family Study

Timeline and Meeting Planning

Suggested Timeline



Millennium Cohort
Family Study



- Proposed launch date Jan 2014
- OMB process lengthy and may take over a year
- Suggest splitting up Millennium Cohort and Family Cohort for IRB review process

Spring Meeting Planning

MARCH 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17 St Patrick's Day
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 April Fools' Day	2	3	4	5	6	7
8 Easter	9	10	11	12	13 Passover begins at sunset	14
15	16	17	18	19	20	21
22 Earth Day	23	24	25	26	27 Arbor Day	28
29	30					

MAY 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13 Mother's Day	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28 Memorial Day	29	30 Memorial Day (trad)	31		



*Millennium Cohort
Family Study*

**3rd Annual Scientific Review Panel Meeting
April 10, 2012**

0730	Arrival
0800	Introductions
0815	Welcome by CAPT Gregory Utz
0830	Current Status – Response and Referral Rates (McMaster) Current Marketing Initiatives Planned Marketing Concepts <ul style="list-style-type: none">- Commentary (Dillman)- SRP Discussion
0930	
0945	Break
1000	A Peek at the Cohort - Our First 1,000 Respondents (Jones)
1030	<ul style="list-style-type: none">- SRP Discussion
1045	Stakeholder Interviews/Focus Groups (Fairbank and Schlenger)
1130	Group Photo/Working Lunch – Open Discussion
1200	Conceptual Models, Research Questions, and 2014 Follow-up Survey (McMaster)
1430	Break
1445	Future Plans (Crum-Cianflone)
1500	SRP Discussion/Report
1600	SRP Feedback and Additional Discussion
1630	Adjourn

Because families serve too

Investigators

Co-PI Nancy Crum-Cianflone, MD, MPH

Naval Health Research Center

Co-PI John Fairbank, PhD

Duke University

Co-PI Charles Marmar, MD*

New York University

Co-I Hope McMaster, PhD

Naval Health Research Center

Co-PI William Schlenger, PhD

Abt Associates

Scientific Review Panel

Sanela Dursun, PhD

Canadian Department of National Defence

Shirley Glynn, PhD

US Department of Veterans Affairs, LA

Michael Hurlburt, PhD

University of Southern California

CDR Christine Johnson

Naval Medical Center San Diego

Patricia Lester, MD

University of California, Los Angeles

Larry Palinkas, PhD

University of Southern California

Penelope Trickett, PhD*

University of Southern California

Jennifer Vasterling, PhD

US Department of Veterans Affairs, Boston

MOMRP/Psychological Health and Resilience Program

COL Carl Castro

Military Operational Medicine Research Program

COL Paul Bliese

Walter Reed Army Institute of Research

MAJ Pedro Bonilla-Vazquez*

Military Operational Medicine Research Program

Kate Nassauer, PhD

Military Operational Medicine Research Program

Susan Proctor, DSc

United States Army Research Institute of

Environmental Medicine

Study Team

Ava Conlin, DO

Naval Health Research Center

Don Dillman, PhD

Washington State University

Doug Fuller, PhD

Abt Associates

Maj Nisara Granado

Naval Health Research Center

Isabel Jacobson, MPH

Naval Health Research Center

Kelly Jones, MPH

Naval Health Research Center

Cynthia LeardMann, MPH*

Naval Health Research Center

Michelle Linfesty

Naval Health Research Center

Sheila Medina-Torne

Naval Health Research Center

Roy Nesbitt, MFA*

Naval Health Research Center

Kari Sausedo, MA

Naval Health Research Center

Amber Seelig, MPH

Naval Health Research Center

Beverly Sheppard

Naval Health Research Center

Guests

Shelley MacDermid Wadsworth, PhD

Purdue University, Center for Families

Julie Merrill, MS

Walter Reed Army Institute of Research

Lyndon Riviere, PhD

Walter Reed Army Institute of Research

Margaret Ryan, MD, MPH

Captain, Medical Corps, US Navy, Retired

Karen Skerritt, PhD, RN

University of San Diego

Barbara Cohoon, PhD, RN

National Military Family Association

Naval Health Research Center

CAPT Gregory Utz

Commanding Officer

CAPT C. Douglas Forcino

Executive Officer

Karl Van Orden, PhD

Director, Research and Development

Richard Shaffer, PhD

Deputy Science Director

*Unable to attend meeting

Abt Associates Inc.



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Millennium Cohort
Family Study

Conceptual Models and Research Aims

Hope McMaster, PhD



Duke
UNIVERSITY



Survey Sections

- **Physical Health**
- **Mental Health**
- **Coping Skills**
- **Life Experiences**
- **Modifiable Behaviors**
- **Military Service (Dual Military)**
- **Marital Relationship**



Millennium Cohort
Family Study

PHYSICAL HEALTH

Over the **past 12 months**, approximately how many days were you hospitalized because of illness or injury? (exclude hospitalization for pregnancy and childbirth)

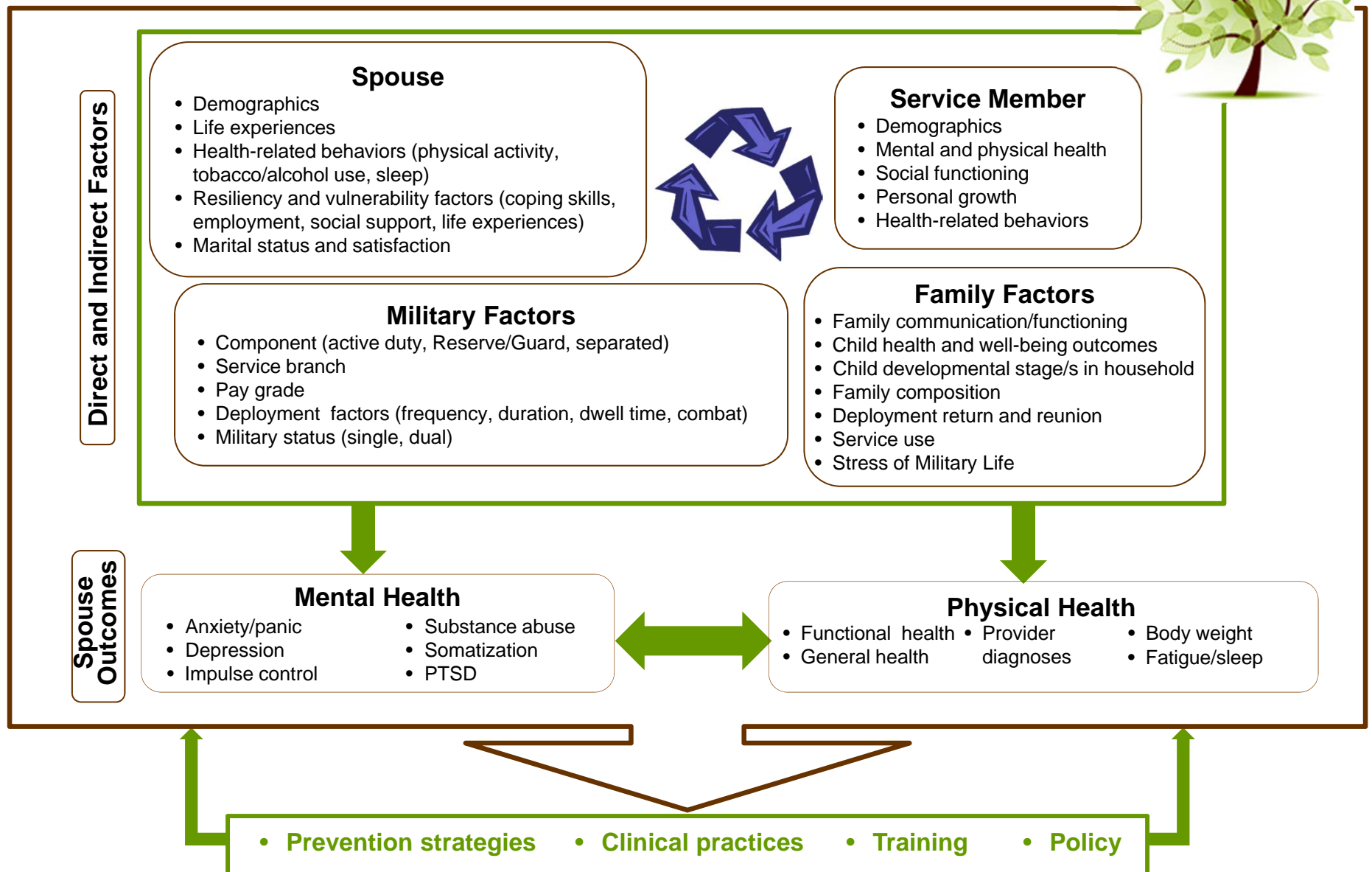
- ☐ None
- ☐ 1 day
- ☐ 2-5 days
- ☐ 6-10 days
- ☐ 11-15 days
- ☐ 16-20 days
- ☐ 21 days or more

Over the **past 12 months**, approximately how many days were you unable to work or perform your usual activities because of illness or injury? (exclude lost time for pregnancy and childbirth)

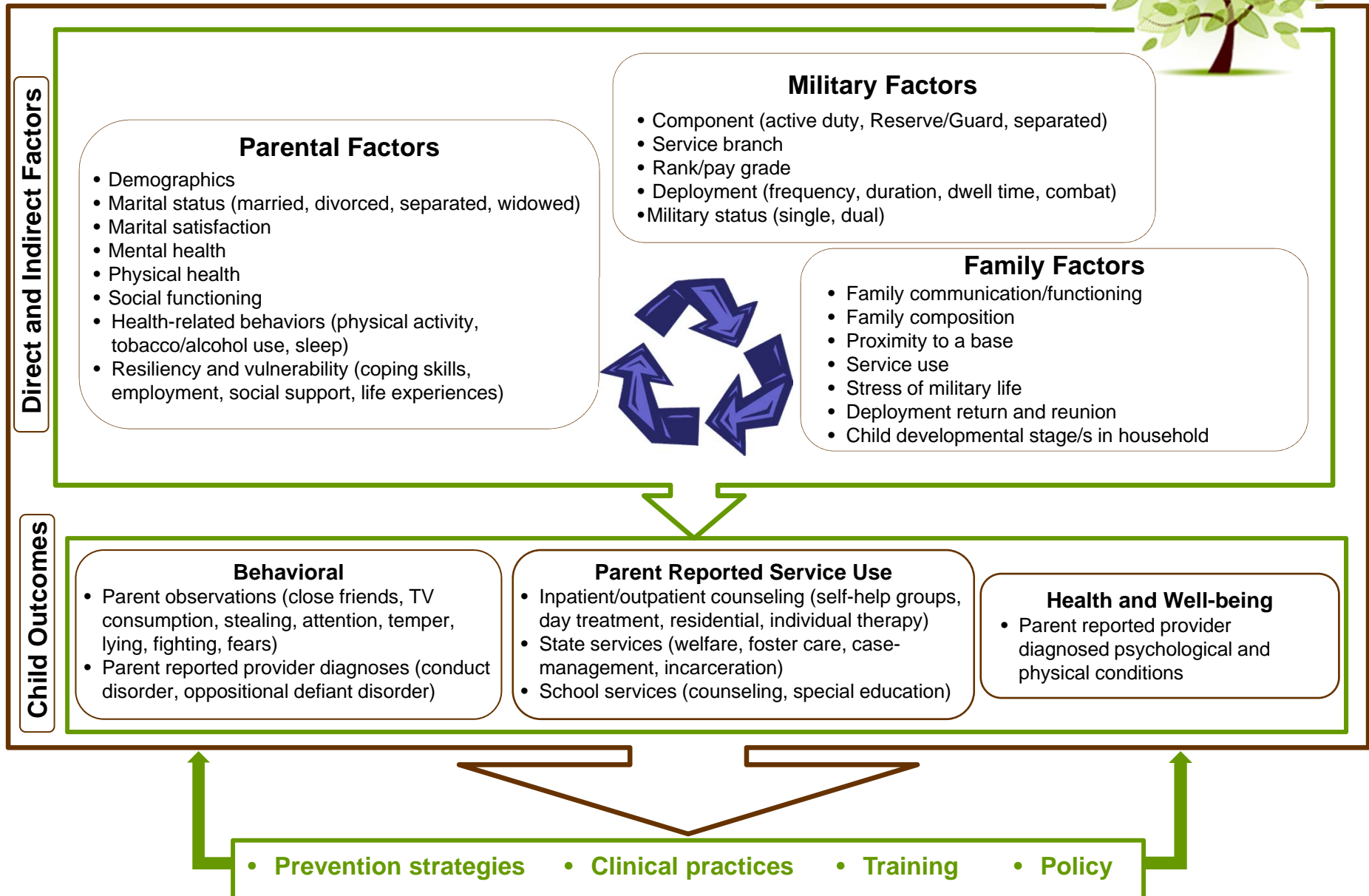
- ☐ None
- ☐ 1 day
- ☐ 2-5 days
- ☐ 6-10 days
- ☐ 11-15 days
- ☐ 16-20 days
- ☐ 21 days or more

- **Spouse's Deployment**
- **Return and Reunion**
- **Spouse's Behavior**
- **Military Life**
- **Family Functioning**
- **Children**
- **Demographics**

2011-12 Family Survey: Spouse Model



2011-12 Family Study: Child Model



Complementary Data Sources

Civilian Spouse*

Civilian Inpatient /
Outpatient Care &
Behavioral Health



Military Inpatient and
Outpatient Care

Pharmacologic
Data



Medical History



Mortality Data

*Spouses of Active Duty service members

Service Member



Survey Data



Demographic Data



Recruit Assessment Program



Military Inpatient and Outpatient Care



Civilian Inpatient and
Outpatient Care



Pharmacologic Data



Medical History



Deployment Data



Environmental Exposure Data



Mortality Data

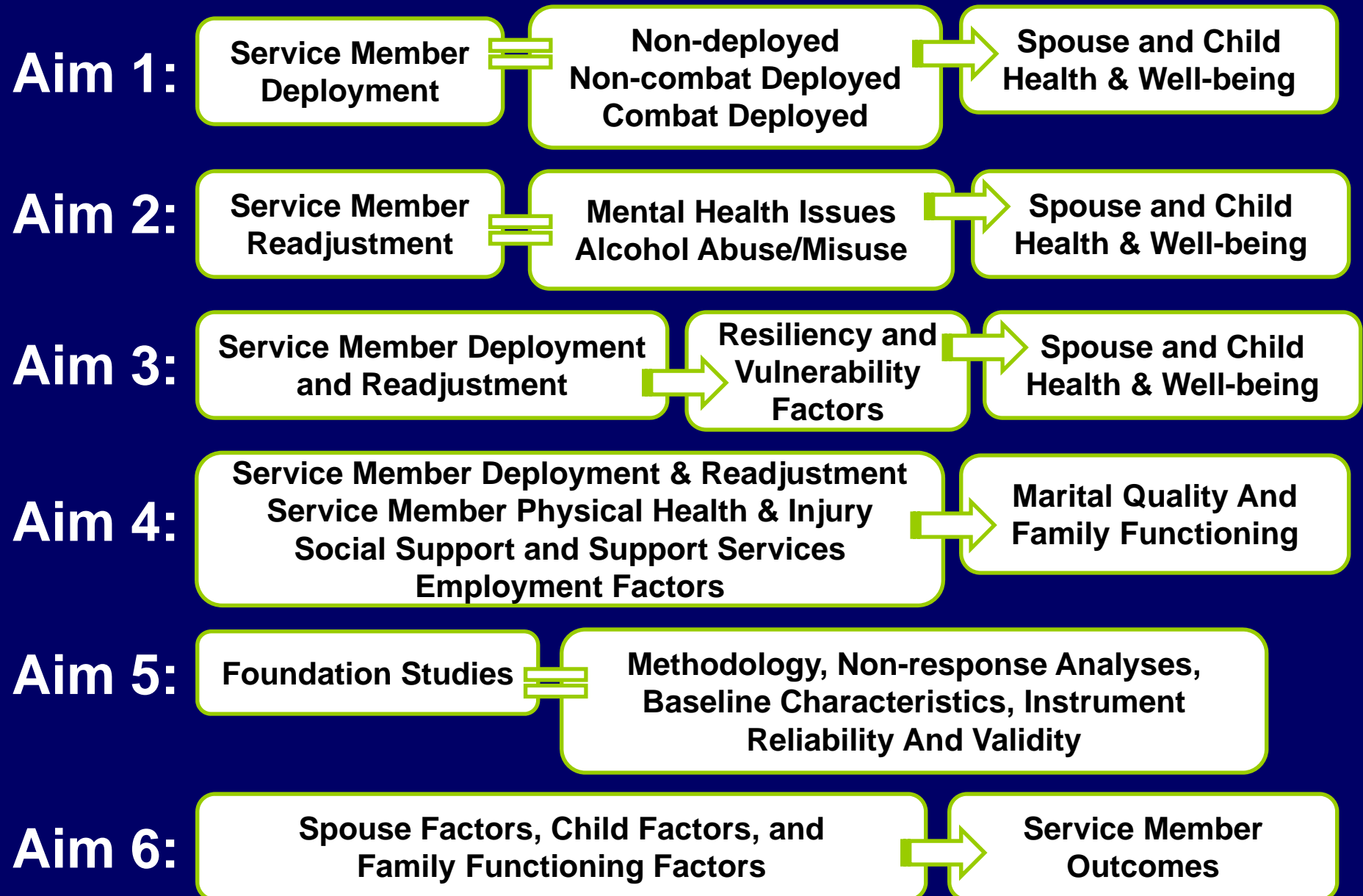


Immunization Data



Department of Veterans Affairs

Research Aims



Aim 1: Explore the association between service member deployment and the health and well-being of spouses and children



Objectives

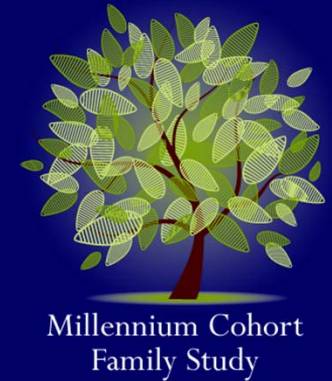
- 1. Compare emotional, behavioral, and medical issues of spouses of service members deployed with and without combat to service members who have not yet deployed**
- 2. Compare behavioral issues of children of service members deployed with and without combat to service members who have not yet deployed**
- 3. Examine length of service member deployments, as well as dwell time, in relation to spouse mental health outcomes**
- 4. Examine length of service member deployments, as well as dwell time, in relation to child behavioral outcomes**

Aim 2: Explore the association between service member readjustment issues and the health and well-being of spouses and children



Objectives

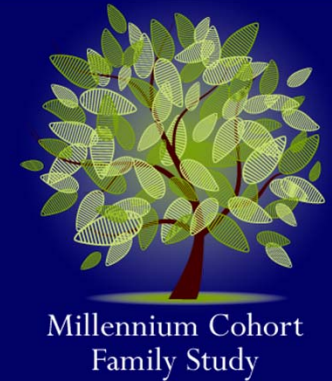
- 1. Explore the association between service member mental health and spouse mental health and distress (alcohol misuse/abuse, tobacco use, aggression)**
- 2. Investigate association between service member alcohol misuse/abuse and spouse mental health and distress**
- 3. Determine relationship between service member readjustment issues and spouse somatic symptoms (body pain, headaches, dizziness, sleep issues)**
- 4. Assess association of service member readjustment issues with child behavioral outcomes**



Aim 3: Examine factors related to resiliency and vulnerability that moderate the association between deployment experiences and service member readjustment, and the health and well-being of spouses and children

Objectives

- 1. Explore social support (friends, family, neighbors, co-workers)**
- 2. Investigate support services (return and reunion programs, mental health and primary care providers, clergy)**
- 3. Investigate the stress of military life (multiple PCS moves)**
- 4. Explore family characteristics (number and age of children in the household, children with special physical or mental health needs)**
- 5. Investigate spouse adverse life events (child and adult)**
- 6. Assess employment factors (rank, job codes, work status, dual service)**
- 7. Investigate proximity to military services (GIS residency data)**
- 8. Explore self-mastery (personal power over life's outcomes)**

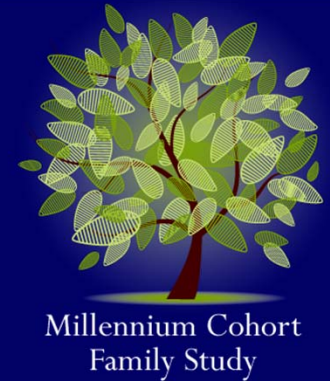


Aim 4: Examine factors related to marital quality and family functioning

Objectives

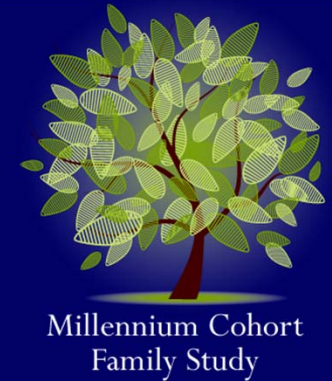
- 1. Assess deployment experiences and service member readjustment (issues and growth)**
- 2. Explore service member injury, physical component score, and number doctor diagnosed conditions**
- 3. Assess service member alcohol misuse/abuse or tobacco use**
- 4. Examine social support (friends, family, co-workers) and support services (return and reunion programs, mental health and primary care providers, clergy)**
- 5. Explore employment factors (service member gender, rank, and occupational code; work/family conflict; work status; dual service)**

Aim 5: Evaluate methodological approaches to ensure adequate representation of spouses from all service branches and components; and assess validity of assessment measures



Objectives

- 1. Examine methodology and target enrollment population**
- 2. Conduct non-response analyses to ensure adequate representation of spouses**
- 3. Examine baseline characteristics of Family Study enrolled sample**
- 4. Assess validity of assessment measures and instruments**



Aim 6: Contribute data to the service member cohort study on spouse and child factors that are associated with service member health and well-being, as well as length of service

Objectives

- 1. Describe spouse related factors (health and well-being, support service use, modifiable behaviors) that are associated with service member health and well-being outcomes**
- 2. Explore spouse related factors (health and well-being, support service use, modifiable behaviors) that are associated with the military members' length of service and separation**
- 3. Determine child related factors (health, behavior, well-being, number in household) that are associated with the military members' length of service and separation**
- 4. Explore the association between family communication and satisfaction and service member health and well-being**
- 5. Describe factors associated with the health and well-being of service members in dual military families**



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Millennium Cohort Family Study

A Peek at the Cohort: The First 1,000 Respondents

Kelly Jones, MPH



Overview of Data Procedures



Millennium Cohort
Family Study

1. Survey responses are stored on the Structured Query Language (SQL) server that is managed by our on-site IT team
2. Data were imported from SQL to Statistical Analytics Software (SAS) for data cleaning
 - There were 1157 completed surveys in the initial data import as of 14 October 2011
3. Data were cleaned by two on-site analysts
4. Data dictionary was created and can be shared with collaborators
5. When survey enrollment has been completed, all data will go through these procedures again in addition to investigating potential outliers

Data Cleaning



Millennium Cohort
Family Study

- **All variables were renamed and recoded as needed**
 - **On-site analysts led biweekly conference calls with off-site PIs and analysts to discuss any possible data changes**
- **Frequencies of missing responses were assessed for all variables**
 - **There were 37 participants that only completed the “Background” and “Demographic” sections**
 - **Less than 5% were missing overall for each variable**
- **Created summary variables for scales as needed by the team**

Data Dictionary



Millennium Cohort
Family Study

- A data dictionary was created that can be shared with **all analysts** working on Family data, which includes:

Variable information

- Survey question
- Variable names
- Values
- Source
- Skip patterns
- Information icon statements
- Location of the question on the survey
- Frequencies of each variable

Usability features

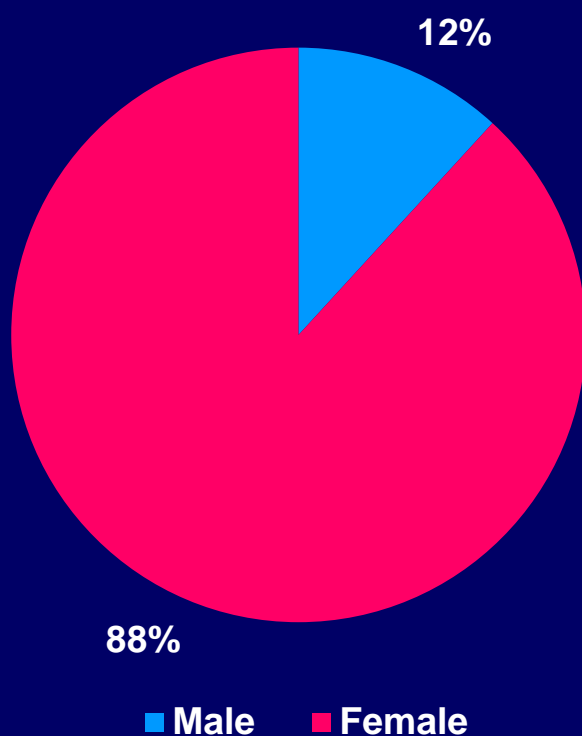
- Hyperlinked alphabetical listing of all variables
- Table defining missing values
- How summary variables were created

First Glance at the Data: Background

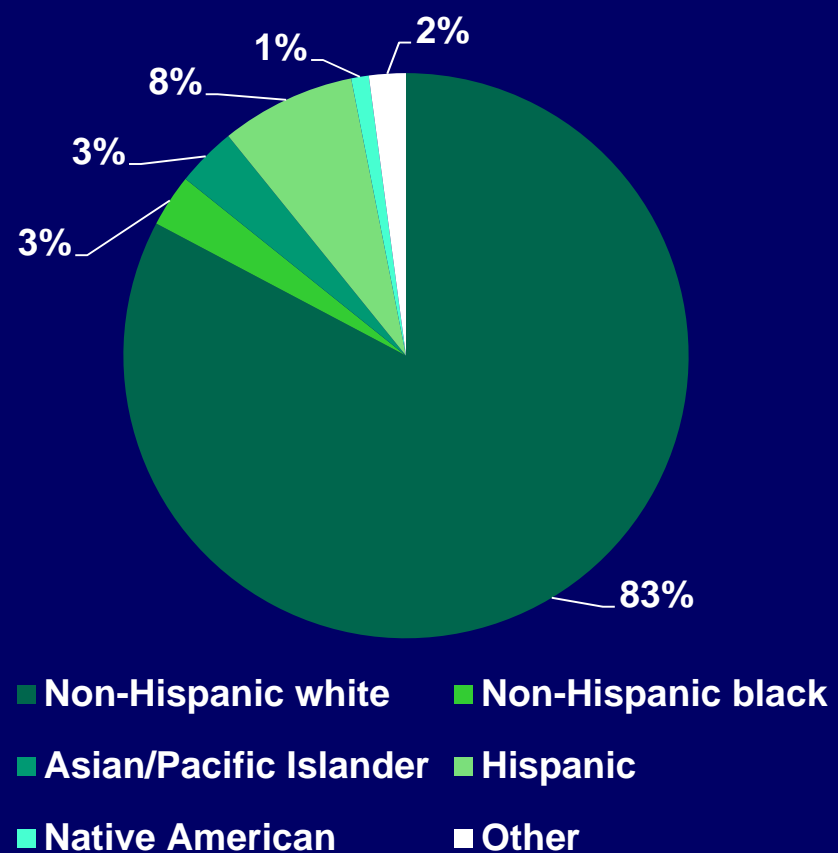


Millennium Cohort
Family Study

Gender



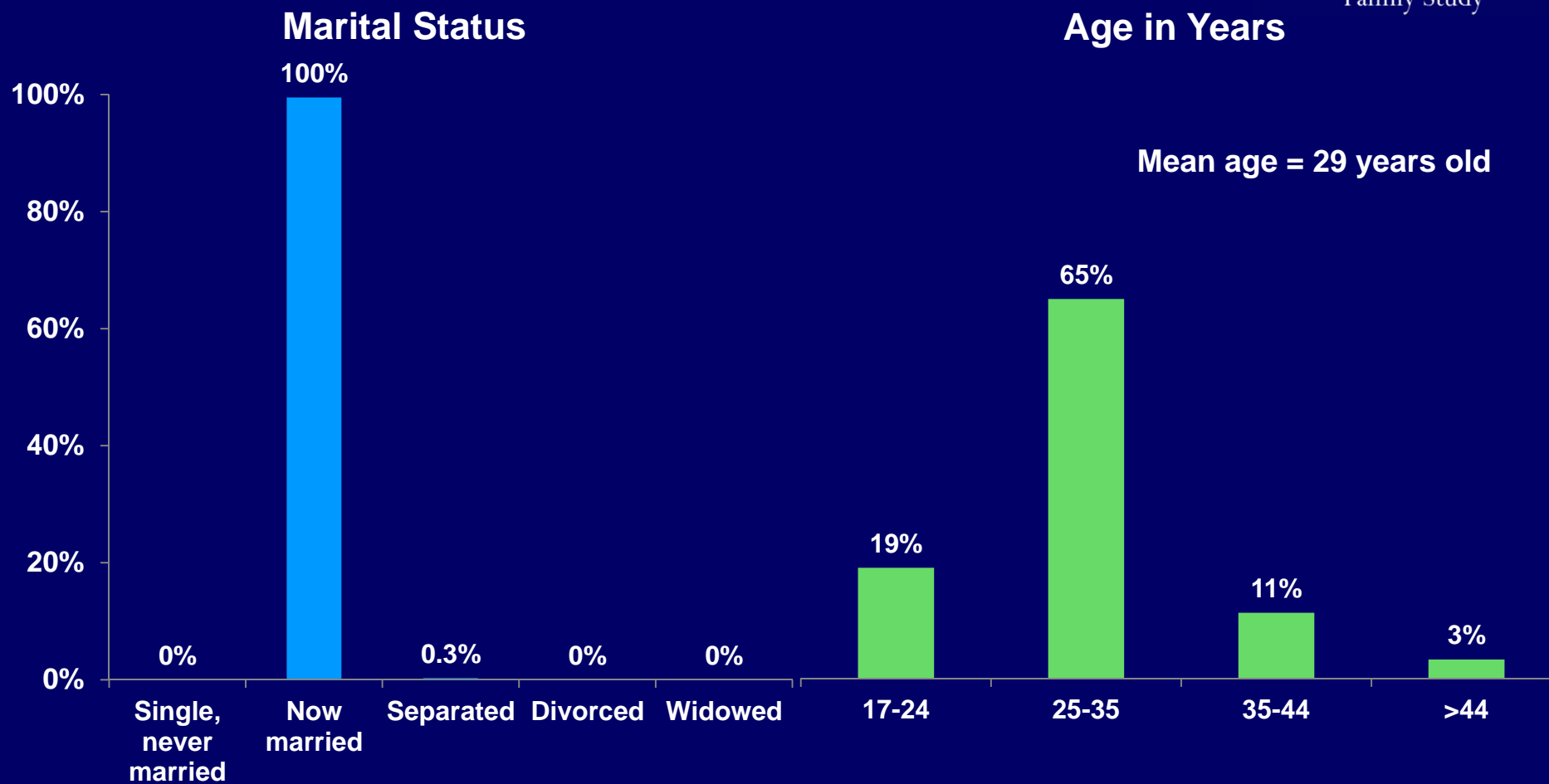
Race/Ethnicity



Background



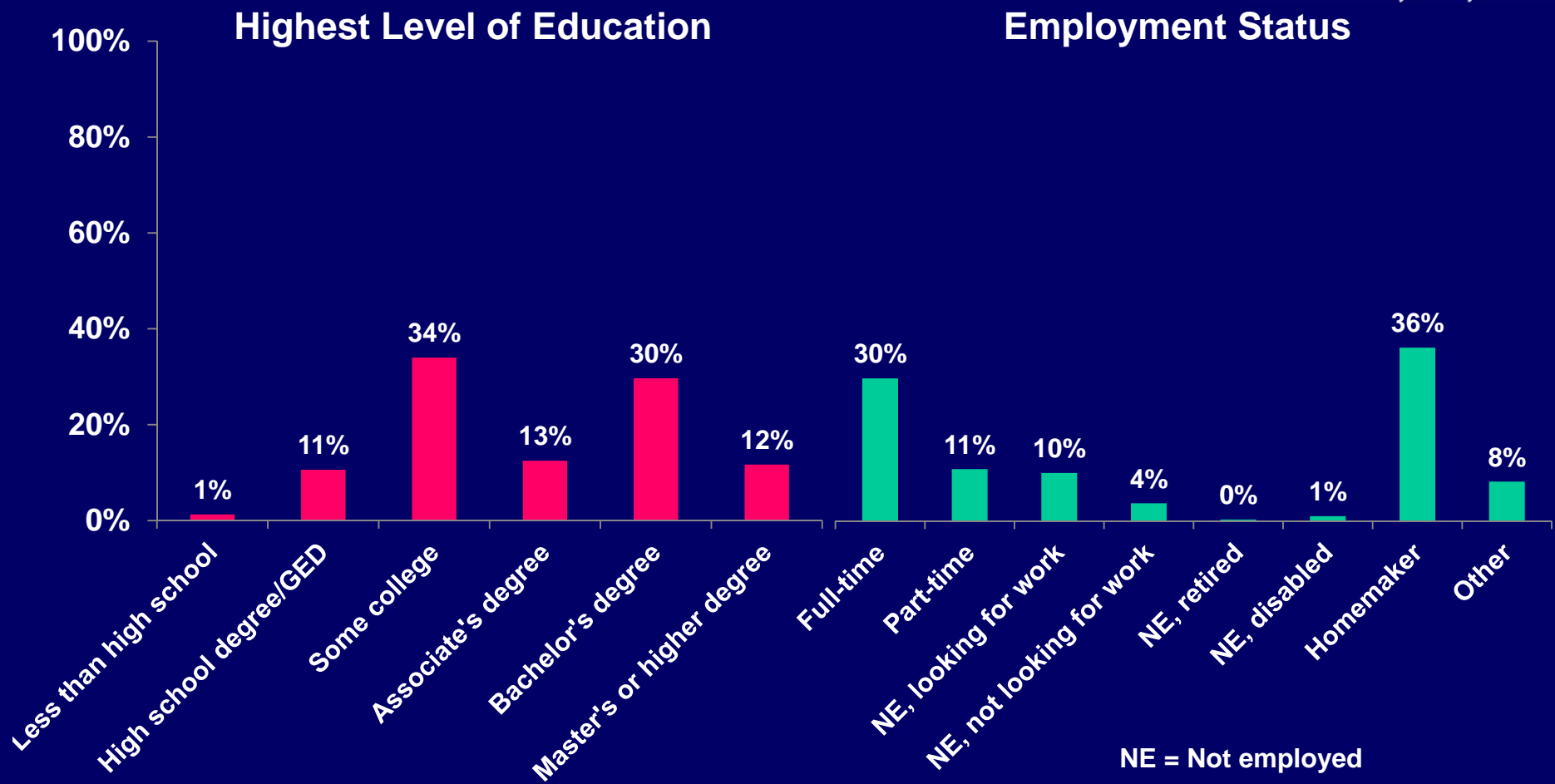
Millennium Cohort
Family Study



Background



Millennium Cohort
Family Study

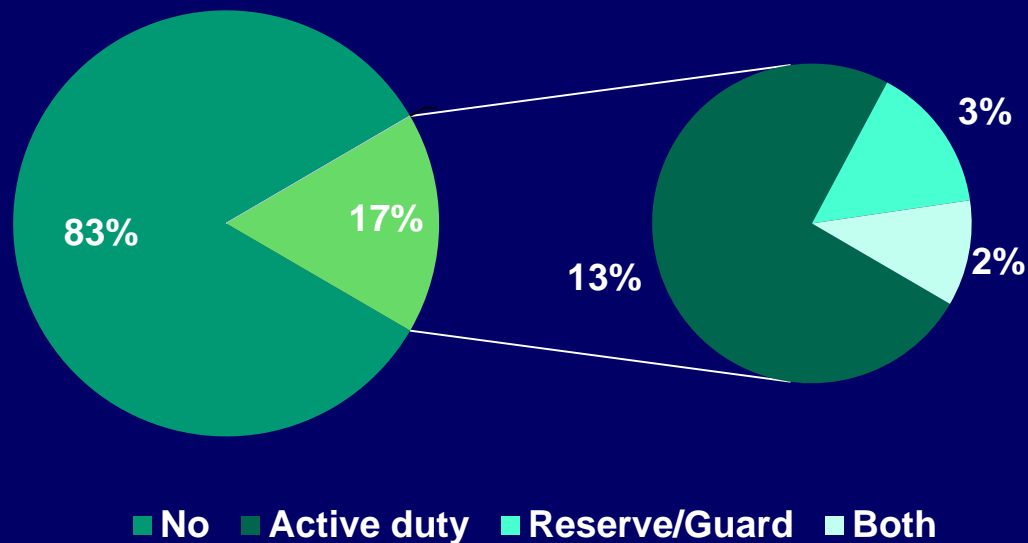


Military Characteristics: Spouse's Service

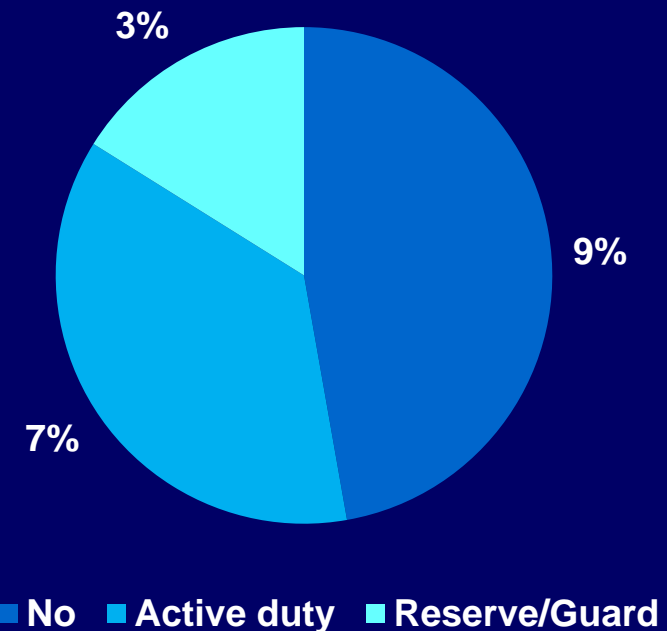


Millennium Cohort
Family Study

Ever Served in the US Military



Currently Serving the US Military

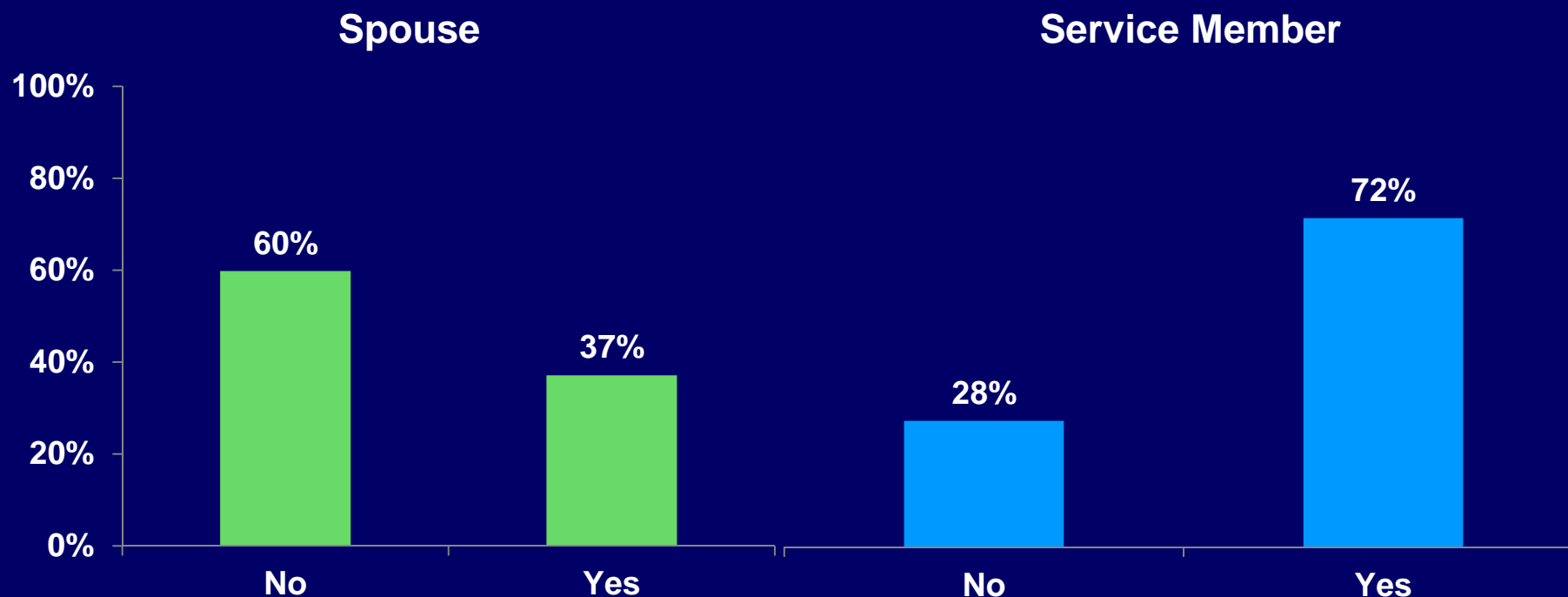


Spouse = Family Study participant

Military Characteristics: Deployment Since 2001



Millennium Cohort
Family Study



Spouse = Family Study participants who ever served in the military

Service member = Millennium Cohort Panel 4 participant

General Health

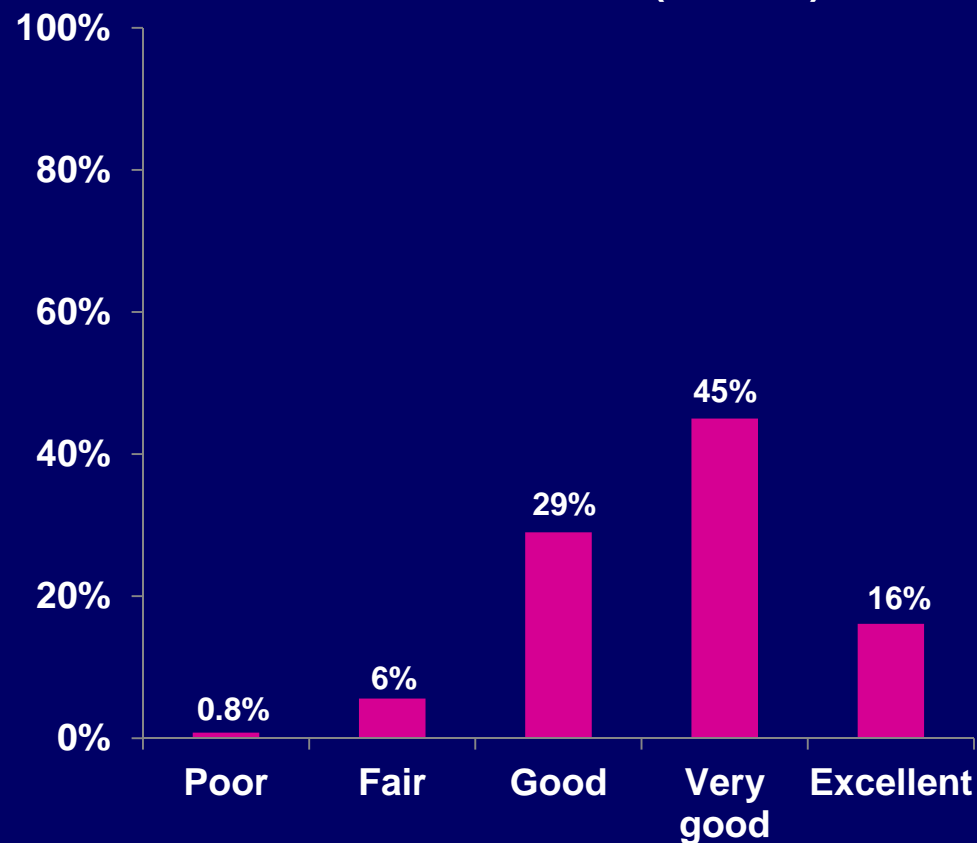


Millennium Cohort
Family Study

5.68

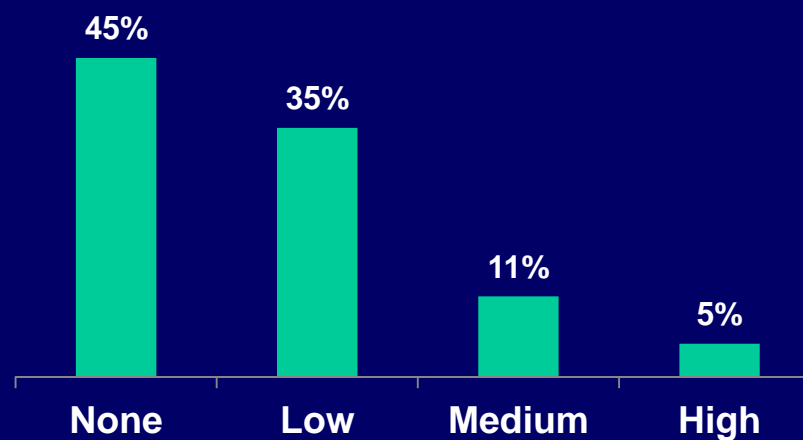
4.47

Overall General Health (SF-36V)



Somatic Symptom Severity (PHQ)

Mean somatic symptom
severity score = 5.68, std 4.47



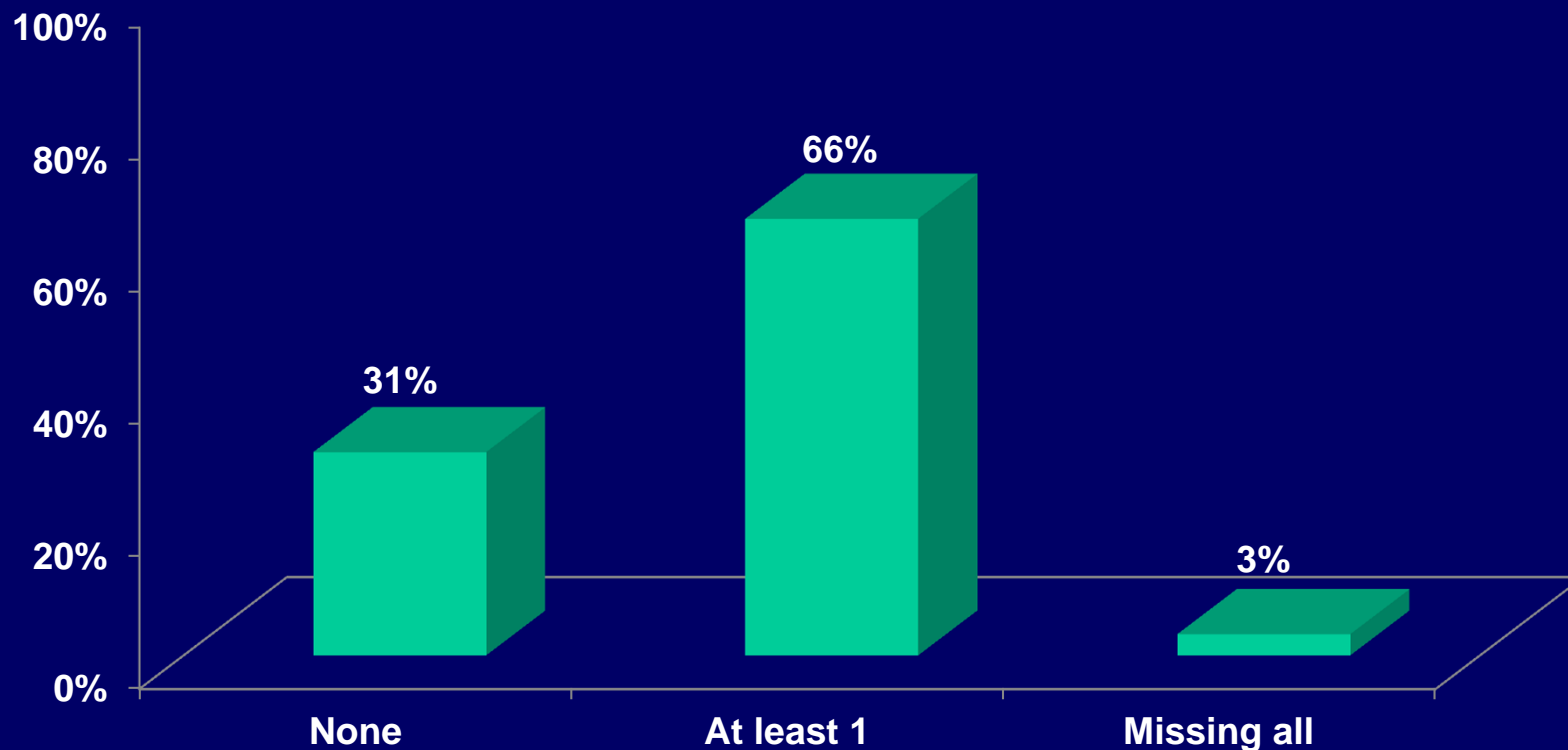
Physical Health

- Mean body mass index is 26.6 kg/m², std 6.1
- Most common conditions reported (prevalence >10%): anemia, asthma, bladder infection, depression, GERD, and migraine

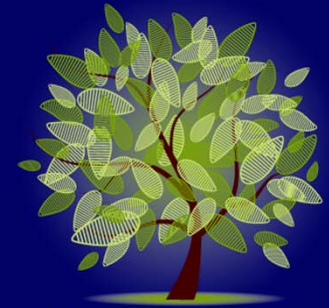


Millennium Cohort
Family Study

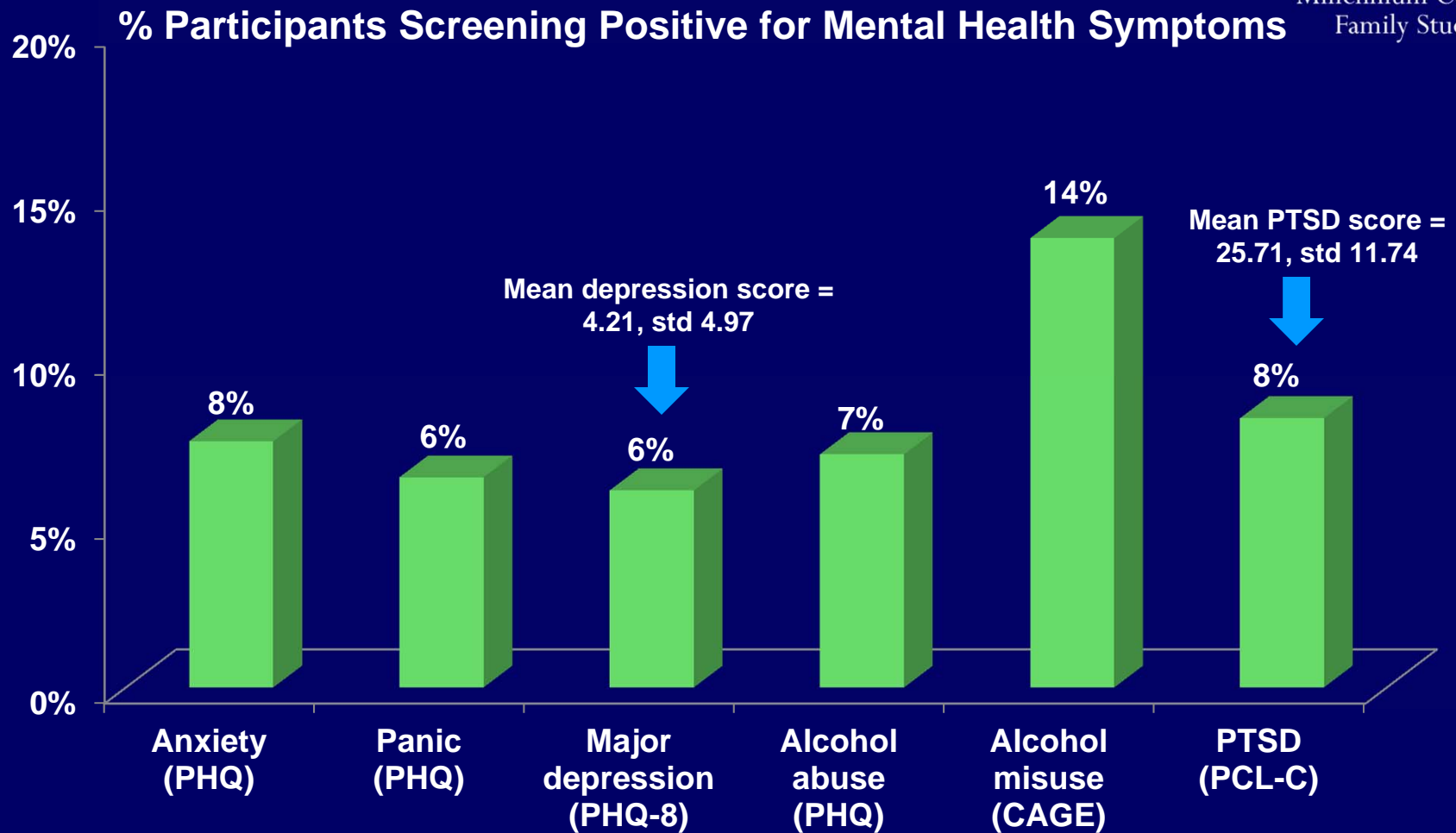
Provider-Diagnosis Conditions Reported



Mental Health



Millennium Cohort
Family Study

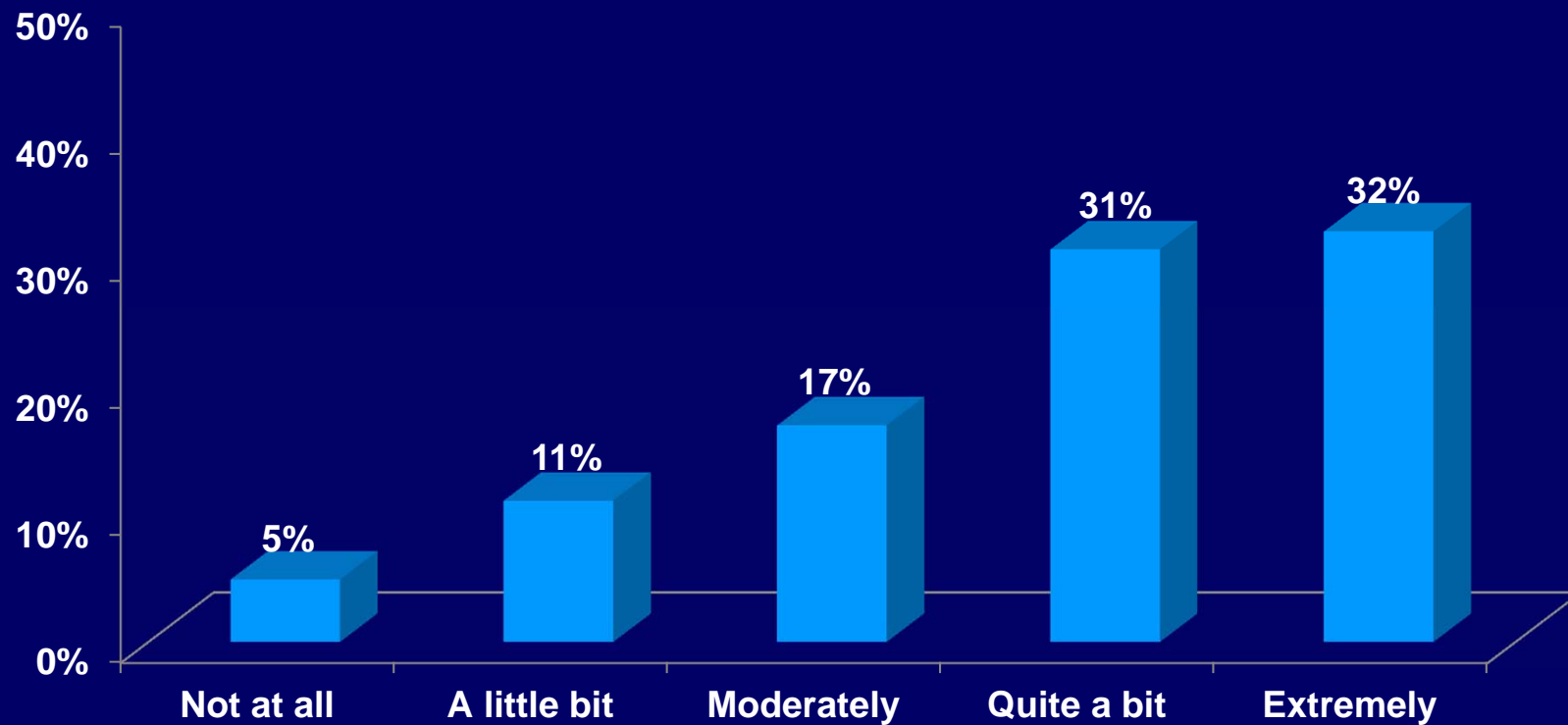


Wellness: Support

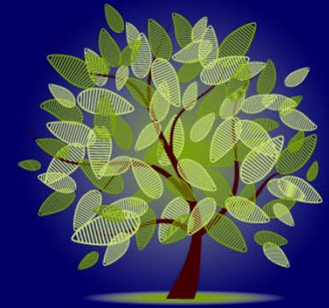


Millennium Cohort
Family Study

**In The Last 4 Weeks, How Well Have Your Family or Friends
Supported You?**

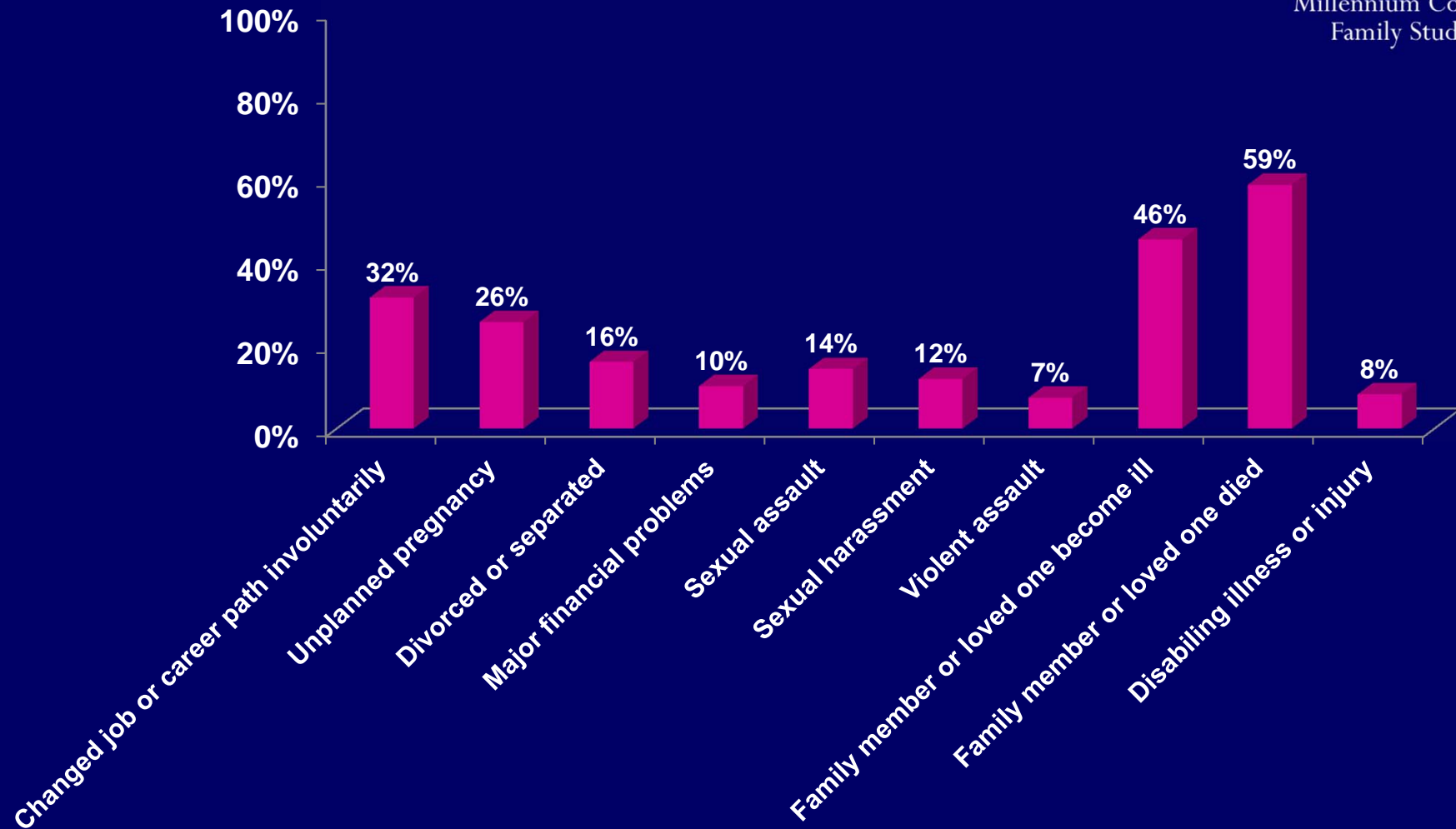


Life Stressors



Millennium Cohort
Family Study

% Ever Experiencing the Following Life Events

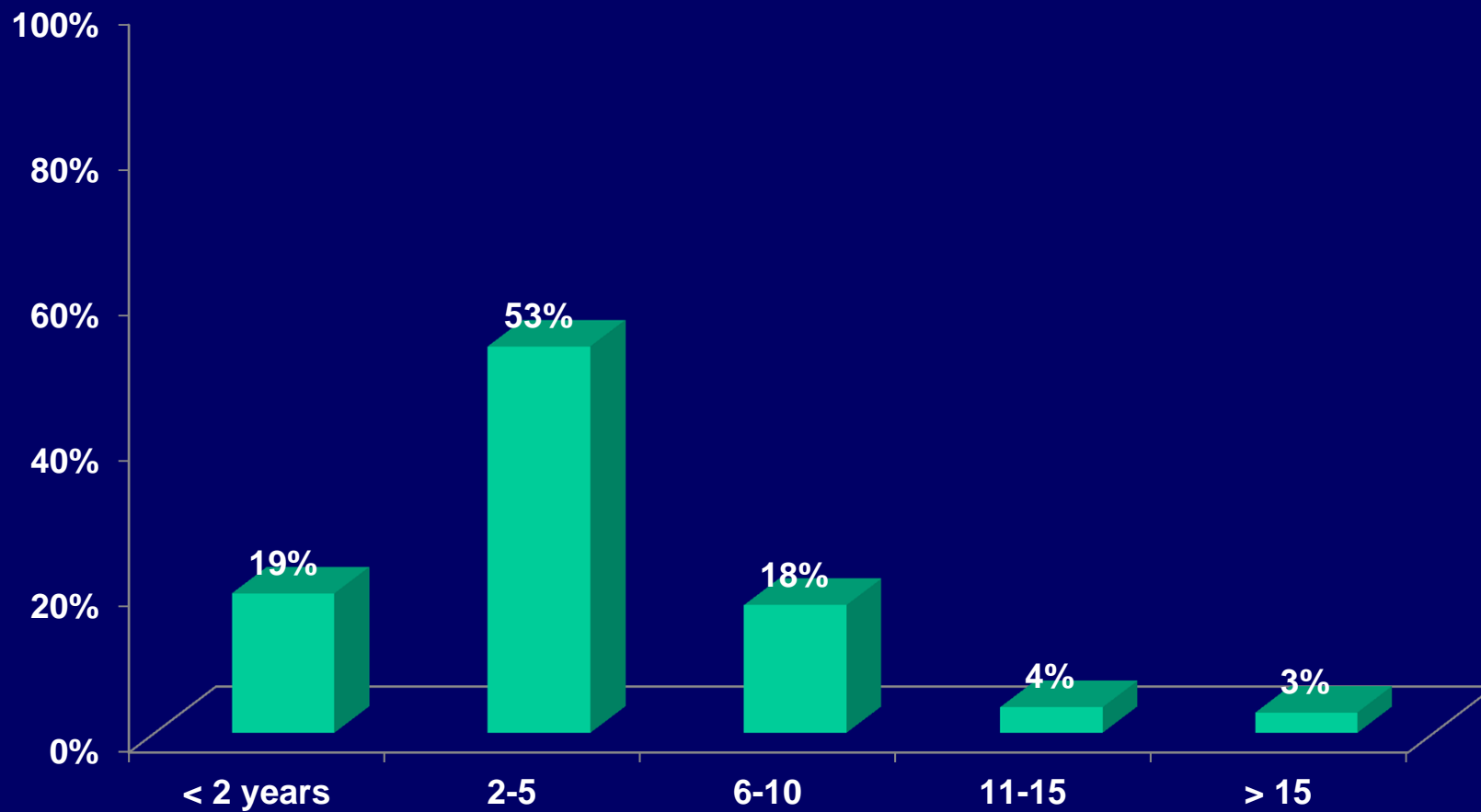


Marriage



Millennium Cohort
Family Study

Years Married to Service Member

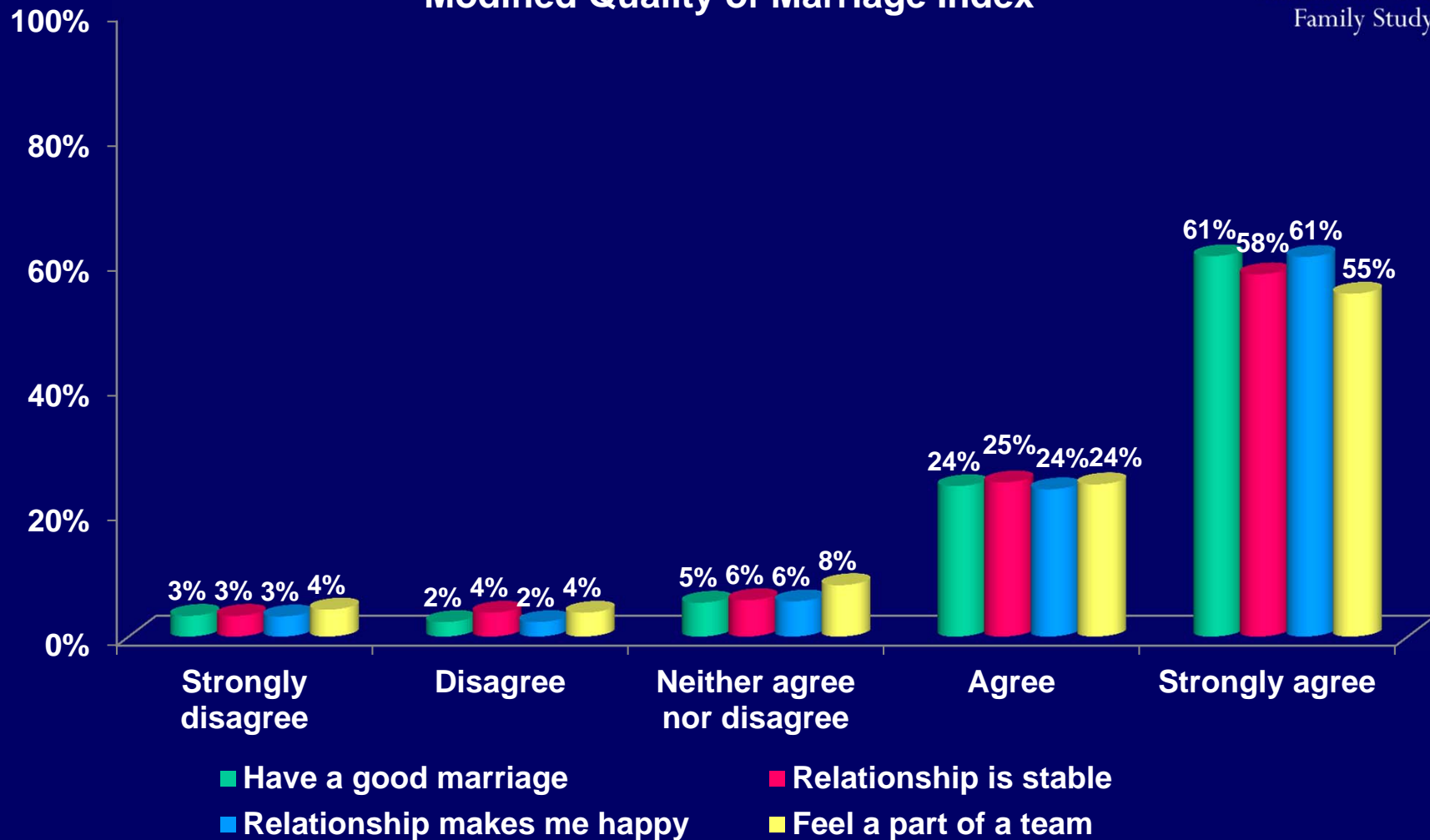


Marriage

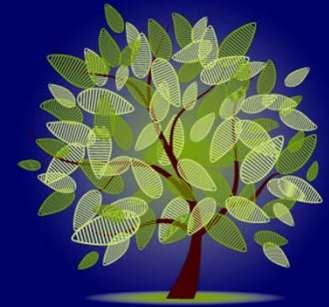


Millennium Cohort
Family Study

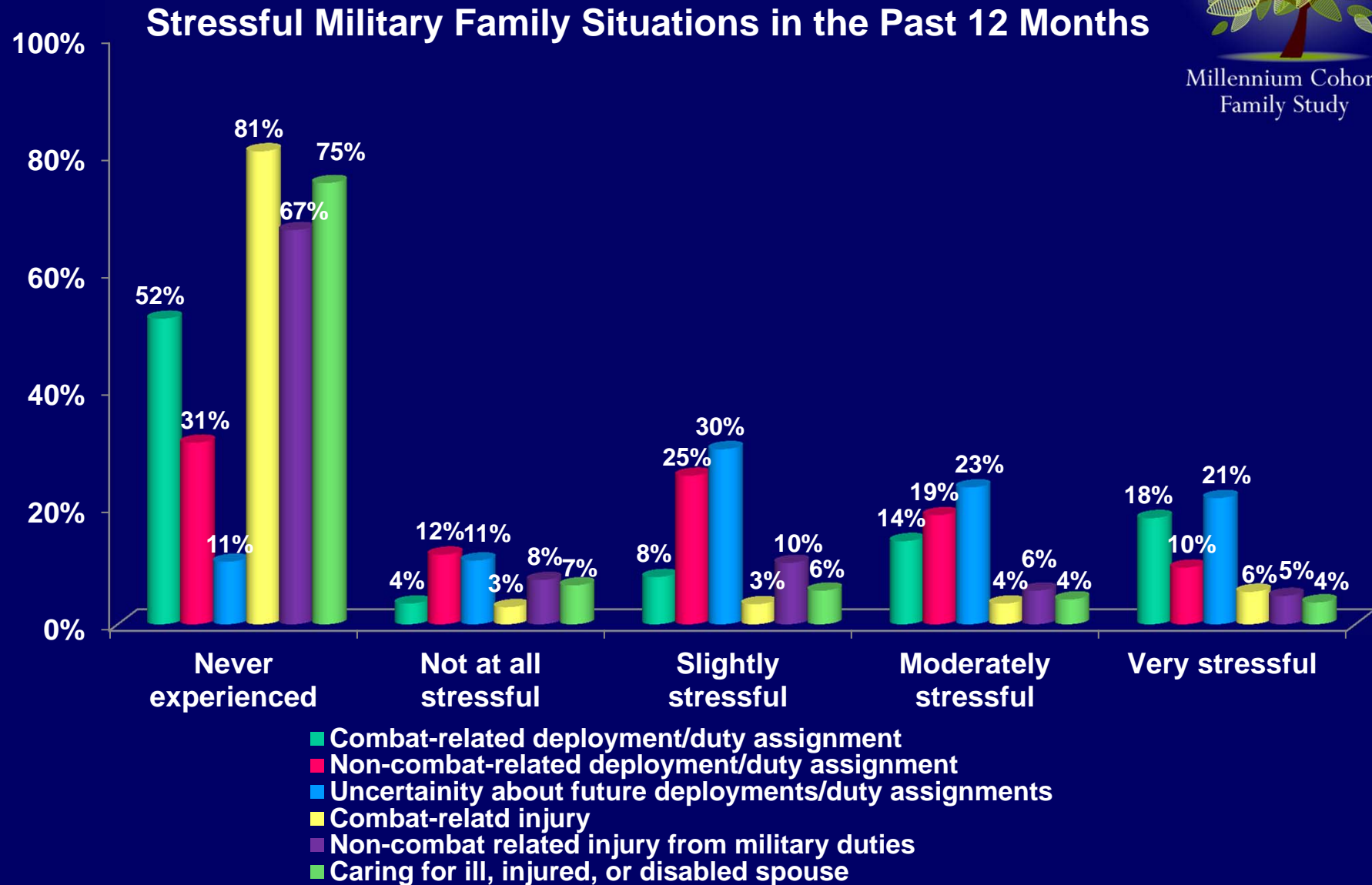
Modified Quality of Marriage Index



Military Life



Millennium Cohort
Family Study

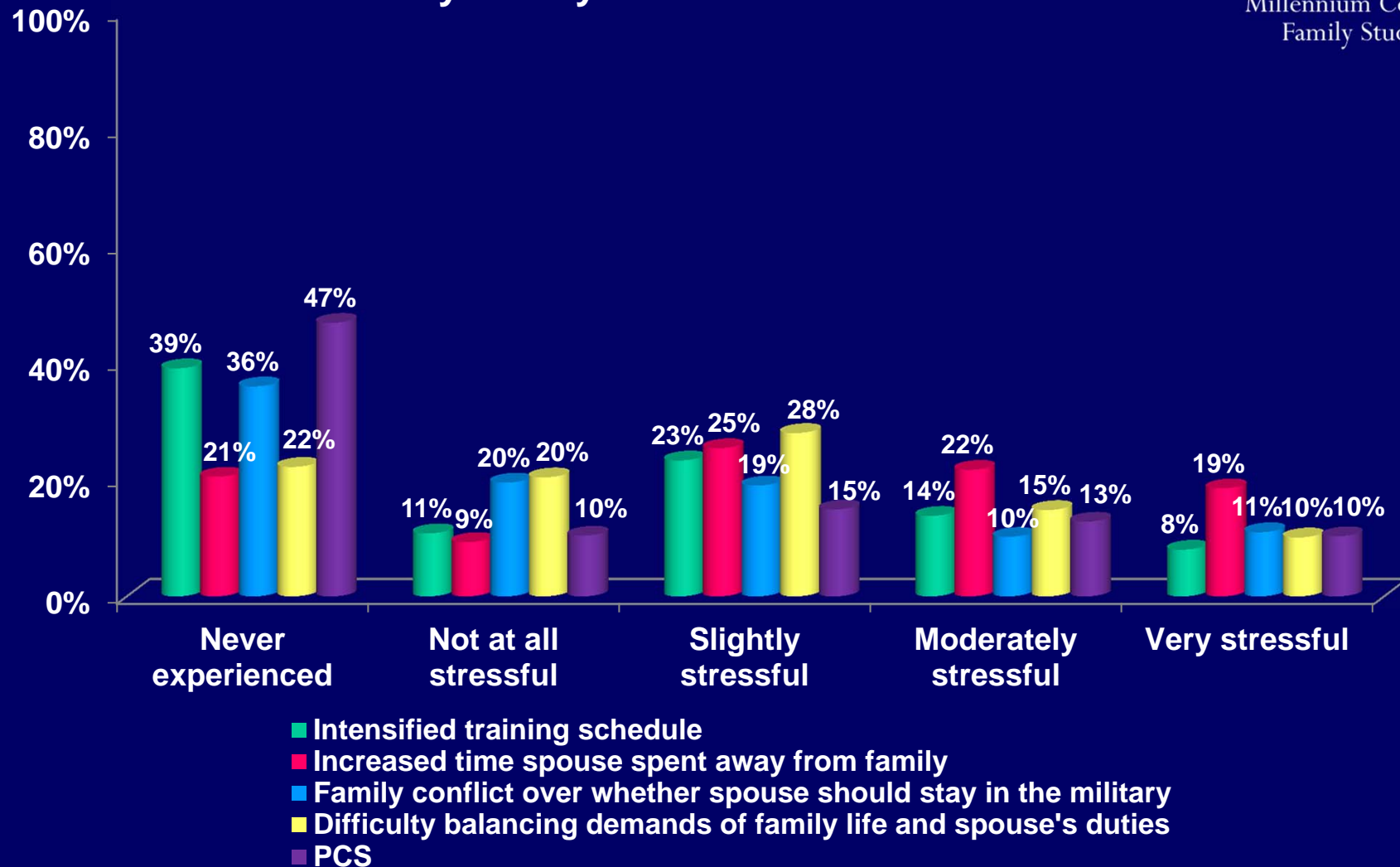


Military Life Continued



Millennium Cohort
Family Study

Stressful Military Family Situations in the Past 12 Months



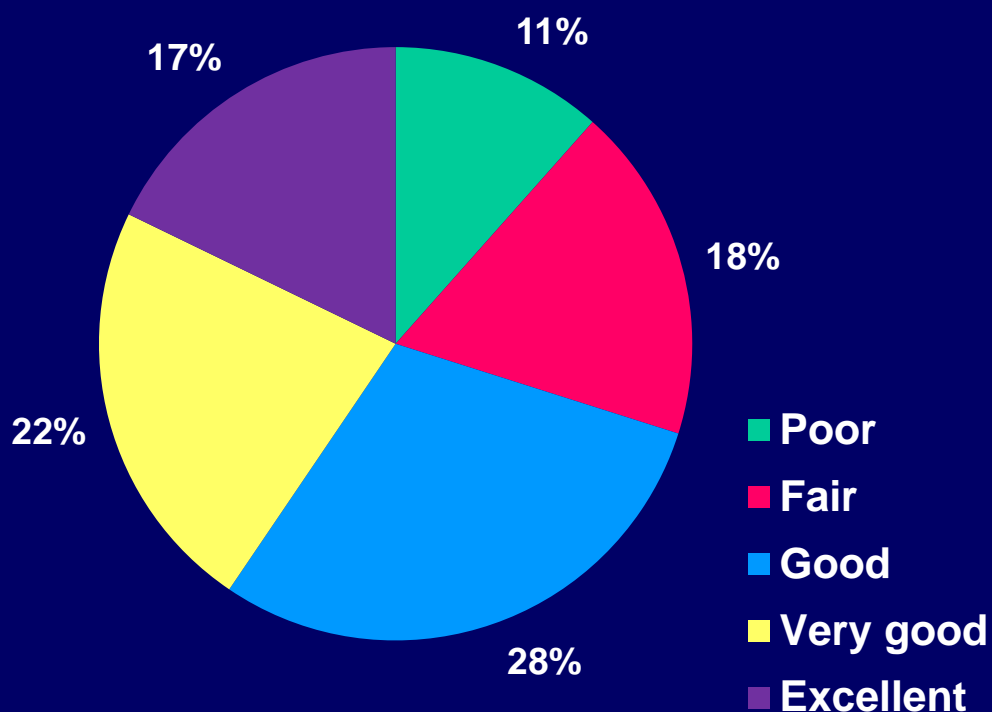
Military Life:

Military's Efforts to Help Your Spouse, You, and Your Family Deal with Stresses of Military Life

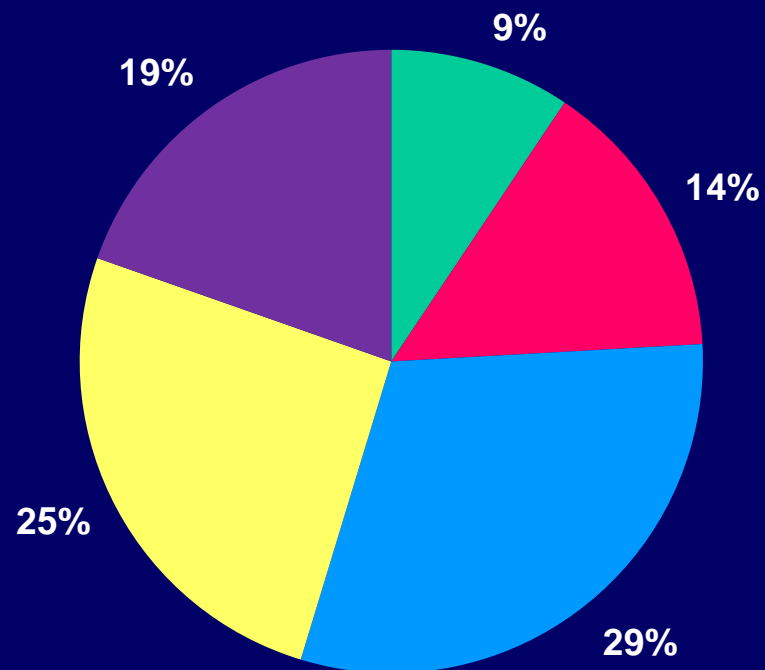


Millennium Cohort
Family Study

Your Spouse



You and Your Family

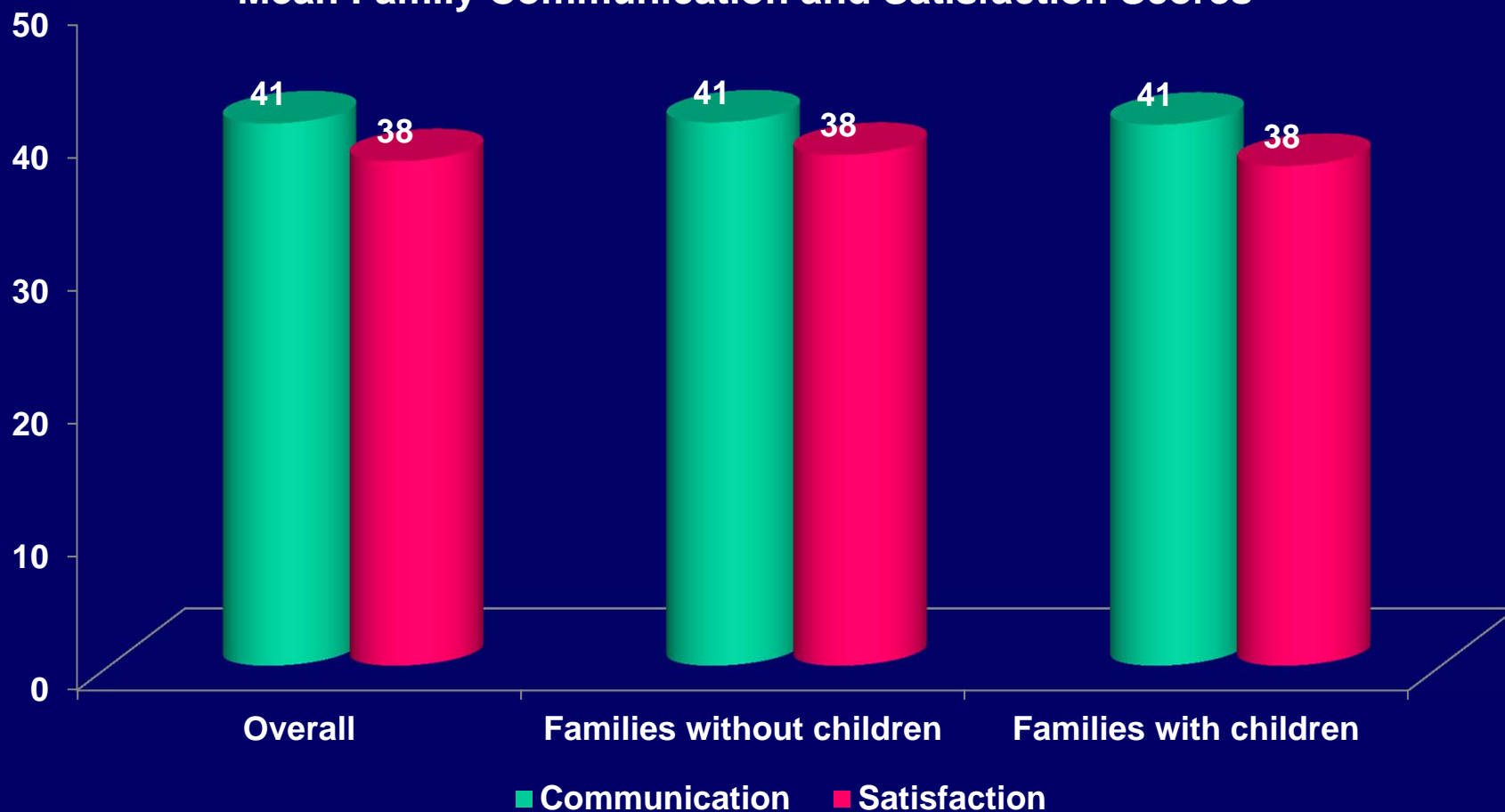


Your Family: Family Adaptability and Cohesion Evaluation Scales (FACES IV)



Millennium Cohort
Family Study

Mean Family Communication and Satisfaction Scores

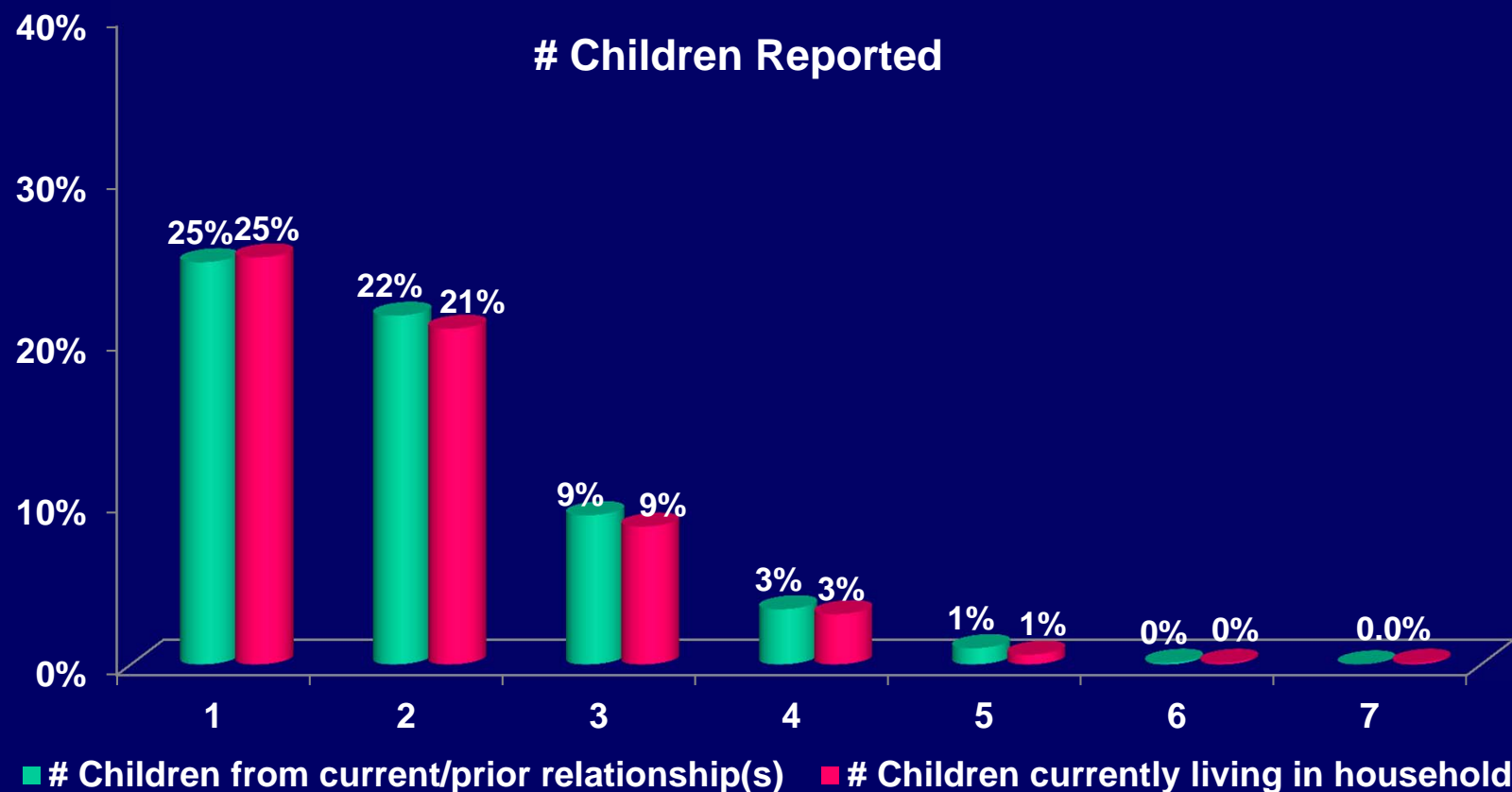


Children



Millennium Cohort
Family Study

- 697 (60%) participants reported having children with current and/or prior relationship(s)
- Total number of children reported N = 1195
 - Overall mean age 4.7 years old

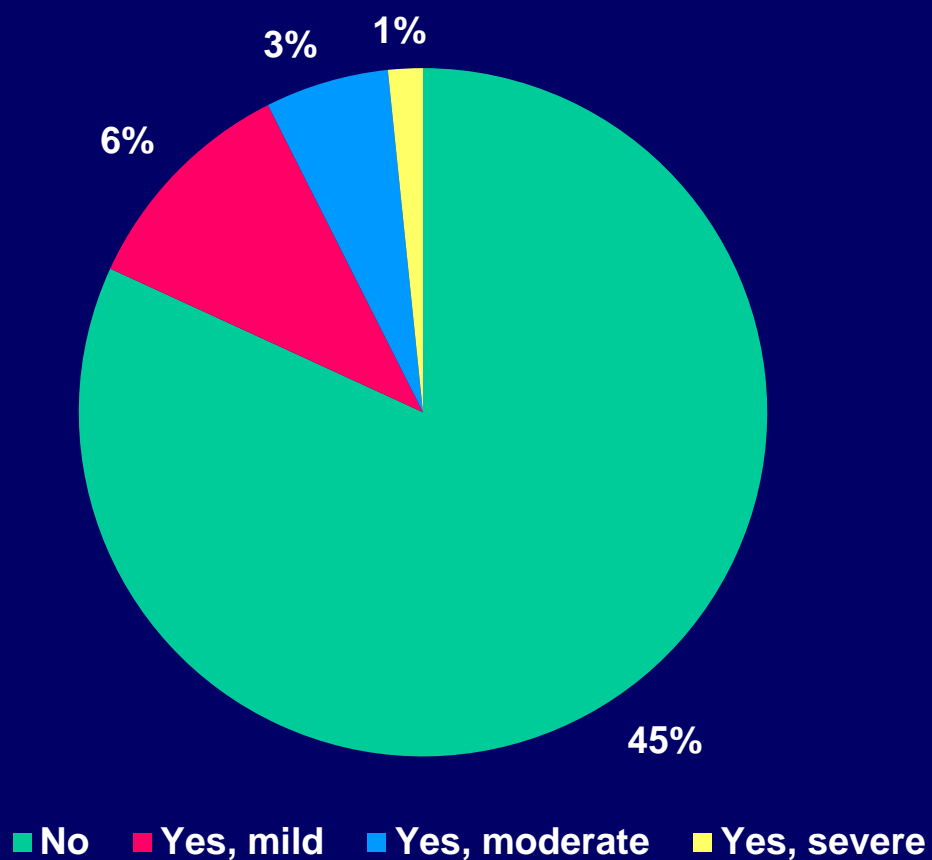


Children



Millennium Cohort
Family Study

Children Currently Experiencing a Behavioral, Emotional, or Learning Problem



Appendix C: Staff Descriptions – NHRC Staff Additions



HENRY M. JACKSON FOUNDATION
FOR THE ADVANCEMENT OF MILITARY MEDICINE

Advancing Military Medical Research

**THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF
MILITARY MEDICINE**

Position Description

RESEARCH Psychologist II

Position No:

FLSA Status:

Grade:

EEO Category/Job Group:

JOB SUMMARY: HJF is seeking a Research Psychologist to support the Deployment Health Research Department (DHRD), located at the Naval Health Research Center (NHRC) in San Diego, California. HJF provides scientific, technical and programmatic support services to the DHRD.

The incumbent will provide routine and non routine research support for large epidemiologic research projects including the Millennium Cohort Family Study, under the direction of the Principal Investigator. Duties include providing expertise in research psychology including in the area of family relationships, development of relevant hypotheses, data interpretation as well as enrollment and retention efforts. Duties will also include drafting proposals and writing peer reviewed publications, delivering presentations to internal and external collaborators, supervising and mentoring junior staff, and exercising appropriate judgment in the resolution of problems while working in a team environment.

ESSENTIAL JOB DUTIES:

90% of time

1. Provides expertise in family research for military-related research projects.
2. Assists with the development of study methodology for epidemiologic research including study design, sample size considerations, study implementation, and enrollment strategies to ensure meeting response and retention objectives per protocol.
3. Develops protocols and proposals including writing of the scientific background, study methodology, and data analyses. Additionally, writes the interpretation of data findings in the context of ongoing research objectives and publishes findings.
4. Designs and manages numerous research projects simultaneously. Works as a member of a team to conduct scientific research projects and leads cross functional project teams.

5. Provides study team with individual and group level teaching and mentorship, and helps review the analyses and writing of other team members for scientific rigor and accuracy.
6. Reviews and assesses the work of other professionals in own field.
7. Delivers presentations to the Department and at various national and international scientific and military conferences.
8. Provides knowledge and insight to principal investigator for new sub-study ideas, long term goals and objectives, and areas for future research.
9. Reviews and remains current with technical and scientific literature in psychology, family relationships, military health and other study outcomes of interest.
10. Contributes to budget estimations for research-related tasks. Contributes to the writing of funding proposals as well as seeks sponsorship of studies.
11. Supervises work assignments and staff as directed.
12. Assists with problem solving that supports and improves the effectiveness and positive climate of the Department.
13. Engages in constructive actions that support the Department goals by demonstrating collaborative cooperation with all levels of Departmental staff, personnel, leadership, supervisors and colleagues. Successfully works with both internal and external collaborators, including members of the Command and sponsoring organizations.
14. Contributes to the team effort by accomplishing related duties as needed.

NONESSENTIAL JOB DUTIES:

10% of time

1. Performs other duties as assigned.

JOB SPECIFICATIONS:

Required Knowledge, Skills, and Abilities: Advanced knowledge of psychology and family relationships. Preferred knowledge of epidemiology, disease etiologies, and preventive strategies. Advanced knowledge in survey methodology and statistics used to collect and interpret data. Knowledge and proficiency in SAS programming preferred. Skilled in the use of

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word processing, spreadsheet, graphic, email, Power Point, and database software. Skilled in multi-tasking, writing memorandums, correspondence, abstracts, articles, and proposals. Ability to create presentations and teach both individuals and groups. Knowledgeable in grant writing preferred. Ability to supervise and/or direct work assignments of junior team members. Ability to appropriately provide performance feedback to subordinates for improved development.

Ability to work well in a large group with both internal and external investigators, collaborators, consultants, field experts, research staff and team members, as well as potential sponsors. Ability to work independently, to plan and prioritize work with minimal supervision, be productive and produce quality results that are both reliable and thorough, and exercise good judgment. Ability to demonstrate professionalism that promotes relationships of trust and respect while working with all levels of subordinates, supervisors and colleagues.

Minimum Education/Training Requirements: PhD in Psychology or related field with demonstrated knowledge and experience within psychological research.

Minimum Experience: 2-4 years of relevant, progressively responsible experience.

Physical Capabilities: Walking, standing, long periods of sitting, must be able to read reports, must be able to hear well enough to communicate with co-workers, must be able to write, type, and use computer and phone systems. May require some lifting.

Required Licenses: N/A

Supervisory Responsibilities/Controls: Provides supervision and/or guidance to research staff.

Work Environment: Research Office with computers and support staff.

Clearance: If a security clearance is not active upon hire, the candidate must be able to obtain a security clearance for this position. Candidates will access DoD databases that have classified information.

Any qualifications to be considered as equivalents, in lieu of stated minimums, require the prior approval of the Director of Human Resources

Please return completed form to the Human Resources Department.

Position Description: Statistical Analyst (2)

JOB SUMMARY: Research statistical analyst to support the Millennium Cohort Family Study located in the Deployment Health Research Department at the Naval Health Research Center (NHRC) in San Diego, California. Duties include providing support of study design and methodological approaches; the planning and performing of statistical analyses; and assisting with the writing and presentation of study results. The incumbent will work within a team environment which includes both internal and external members. The incumbent will exercise independent judgment in the resolution of analytical problems while working in a team environment.

ESSENTIAL JOB DUTIES:

90% of time

1. Provides methodological and statistical expertise in support of the Millennium Cohort Family Study including assisting in the design of methodological approaches, development and maintenance of databases, validation efforts of survey responses, design of the statistical analytic plans, execution of the analyses, and writing/reporting of study research results.
2. Performs data manipulations and statistical analyses using SAS. Data analyses includes, but not limited to, logistic regression, linear regression, longitudinal analyses, and other statistical techniques.
3. Remains current with SAS programming and other statistical techniques.
4. Creates and cleans research databases for the Millennium Cohort Family Study.
5. Works as a member of a team to conduct scientific research projects, which includes both internal staff members and external collaborators and stakeholders.
6. Assists in the writing of reports and scientific manuscripts for peer-reviewed professional journals and presentations.

NONESSENTIAL JOB DUTIES:

10% of time

7. Presents research findings at local, national and international briefings including scientific and military venues.
8. Remains up-to-date on literature involving epidemiology and biostatistics as it applies to the Millennium Cohort Family Study.
9. Performs other duties as needed.

JOB SPECIFICATIONS:

Required Knowledge, Skills, and Abilities: Knowledge of biostatistics as it applies to epidemiologic research. Ability to create datasets and perform data analyses including regression with both continuous and categorical outcomes. Skilled in the use of SAS as well as

Microsoft Word, graphic design programs, and database software. Knowledge of basic epidemiology and statistics and application to the ongoing research. Ability to create data tables and figures. Skilled in writing reports, abstracts, and papers. Ability to work independently and in a team environment. Ability to exercise independent judgment, and be a team player who can work in a large group including both internal and external investigators.

Minimum Education/Training Requirements: This position requires a Master's Degree in biostatistics or a Master's degree in Public Health (MPH) with a strong statistical background. Some scientific research experience is preferred.

Minimum Experience: 1-2 years of relevant experience in scientific human research is preferred.

Physical Capabilities: Walking, standing, must be able to read reports, must be able to hear well enough to communicate with co-workers, must be able to write, type, and use computer and phone systems.

Supervisory Responsibilities: n/a

Clearance: If a security clearance is not active upon hire, the candidate must be able to obtain a security clearance for this position. Candidates will access DoD databases that have classified information.

Work Environment: Normal office working conditions

Position Description: Study Coordinator (1)

JOB SUMMARY: Research study coordinator to support the Millennium Cohort Family Study located in the Deployment Health Research Department at the Naval Health Research Center (NHRC) in San Diego, California. The incumbent will be responsible for coordinating all aspects of study protocol execution, participant enrollment, data collection and management, IRB documentation and compliance, and organization of meetings with internal and external investigators. The incumbent will work within a team environment while exercising independent judgment.

ESSENTIAL JOB DUTIES: 90% of time

1. Responsible for the coordination of all aspects of the Millennium Cohort Family Study under the supervision of the study Principal Investigator. Includes all related duties associated with IRB approval of study documents, participant enrollment and tracking, and data collection for analyses.
2. Assists with the preparation of IRB memorandums and reports, summaries, protocol revisions, and grant/funding documents. Ability to write and report SAEs (serious adverse events).
3. Works in a team environment and coordinates meeting with internal and external collaborators.
4. Ability to multitask and prioritize items. Develops strategies to ensure efficient work efforts.
5. Utilizes good verbal and written skills to present study-related information to individuals, groups and study participants. Ability to lead telephone conferences with internal and external team members.
6. Organizes multisite studies including all necessary documents and collaborative meetings.

NONESSENTIAL JOB DUTIES: 10% of time

1. May provide supervision, training and direct work assignments to research assistants.
2. Contributes to the team effort by accomplishing related duties as needed.

JOB SPECIFICATIONS:

Required Knowledge, Skills, and Abilities: Knowledge of study coordination and human research IRB regulations. Ability to coordinate all aspects of an epidemiologic research study. Skilled in the use of Microsoft Word, graphic design programs, and databases. Knowledge of HIPAA and human research requirements. Skilled in writing memorandums, correspondences, and reports. Ability to work independently and in a team environment. Ability to exercise independent judgment and interface as a team player with both internal and external investigators, vendors, and study participants. Ability to plan and prioritize work.

Minimum Education/Training Requirements: Minimum of a Bachelor's degree in epidemiology or related discipline. Master's Degree preferred.

Minimum Experience: 1-2 years of relevant experience in scientific human research is preferred.

Physical Capabilities: Walking, standing, must be able to read reports, must be able to hear well enough to communicate with co-workers, must be able to write, type, and use computer and phone systems.

Supervisory Responsibilities: n/a

Clearance: If a security clearance is not active upon hire, the candidate must be able to obtain a security clearance for this position. Candidates will access DoD databases that have classified information.

Work Environment: Normal office working conditions

Appendix D: Weekly Reporting – Survey Implementation & Response Rates



September 13, 2011

❖ **PANEL 4**

Today

Completed: 17,838

Completed Married: 10292

Family Referrals: 3358

- 33% referral rate

Sept 13th:

Completed: 17, 258

Completed Married: 9909

Family Referrals: 3137

- 32% referral rate

❖ **FAMILY**

Today

Total Invitations sent: 3149

Completed: 987

- 31% completion rate

Sept 13th:

Total Invitations sent: 3081

Completed: 877

- 29% completion rate

❖ **Large Postcard Impact:**

Jumbo Postcard with Survey: 53.62%

Jumbo Postcard no Survey: 55.73%

Letter Size Postcard: 46.94%

Traditional Postcard: 41.48%

❖ **SRP Planning**

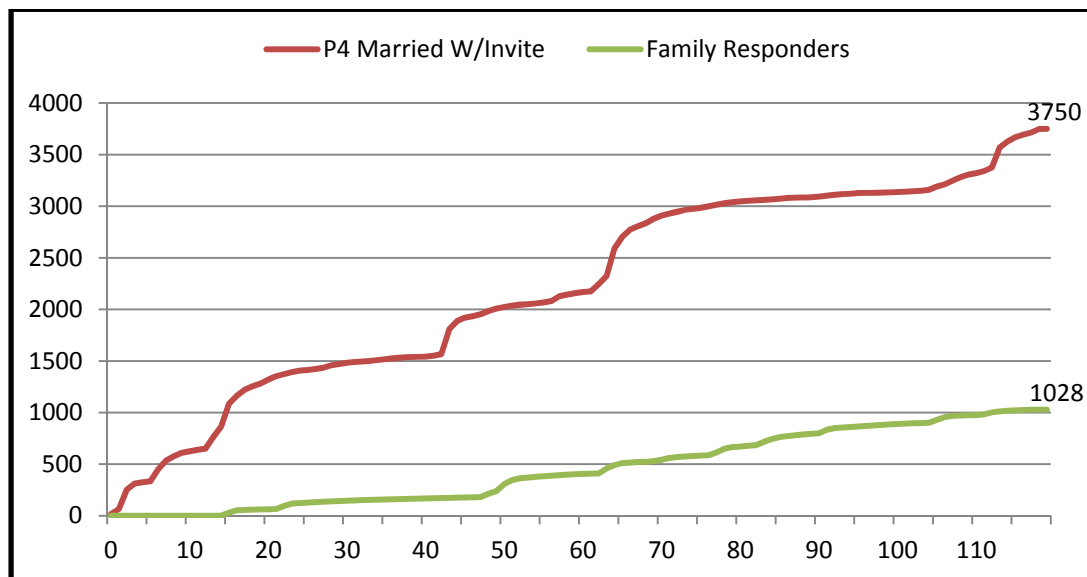
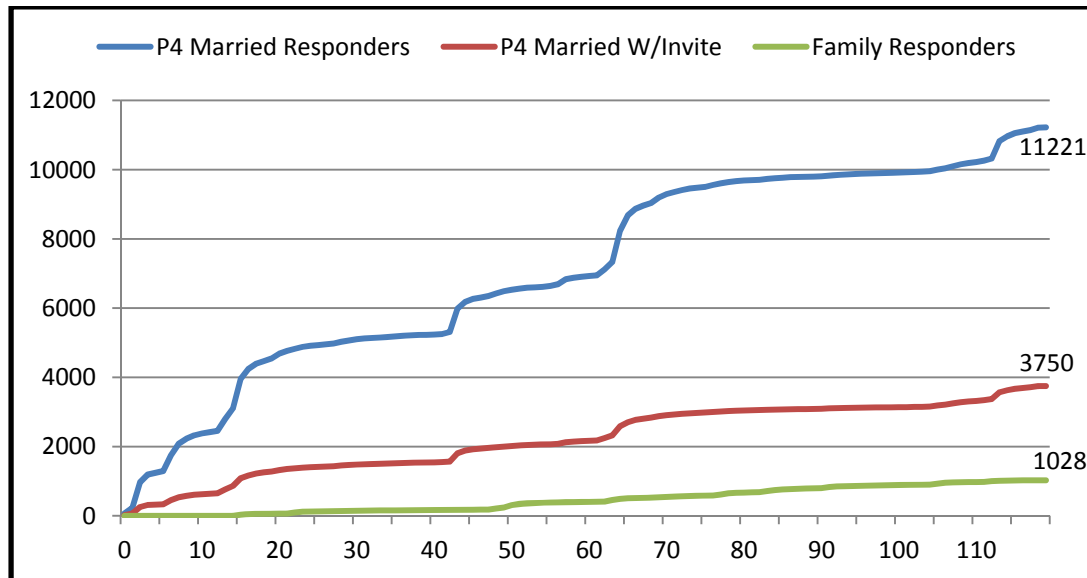
- October 12: Webinar from 8:30 – 11:30 PST

- | | |
|------------------------------|----------------------|
| ▪ Vasterling – Webinar | ▪ Palinkas – No |
| ▪ Hurlbert – Attend /Webinar | ▪ Trickett – Webinar |
| ▪ Glynn – Attend /Webinar | ▪ Lester – Webinar |
| ▪ Johnson – Attend | ▪ Dursun – Webinar |

- **Attendees:**
- **Agenda**
- **Post-SRP meeting Agenda**

❖ **IRB Modification (Reminder for Referral) - Resubmitted/Pending**

October 4, 2011



SRP Planning

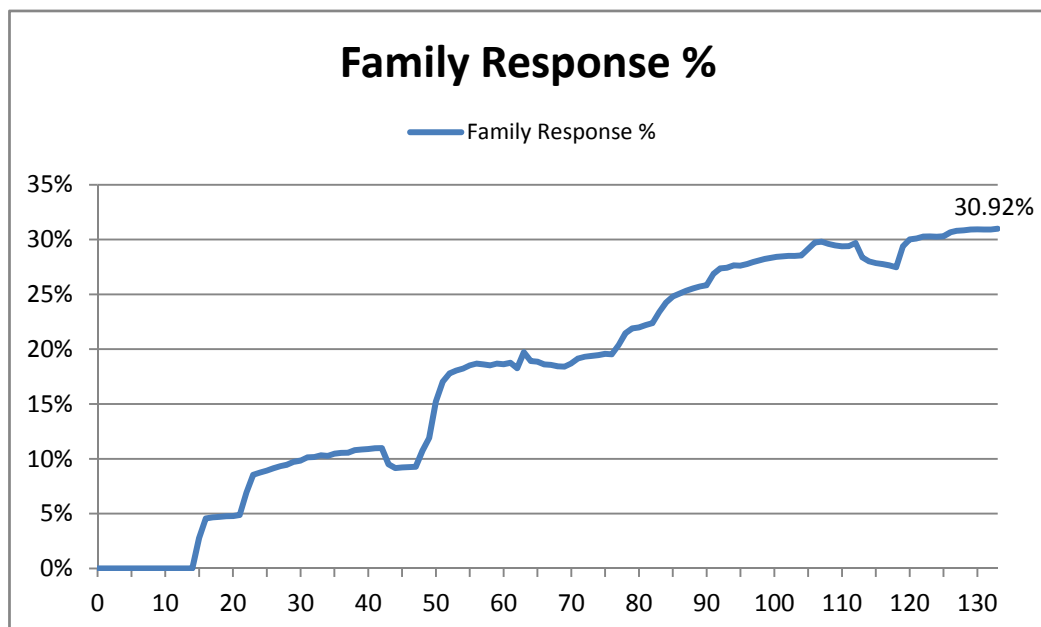
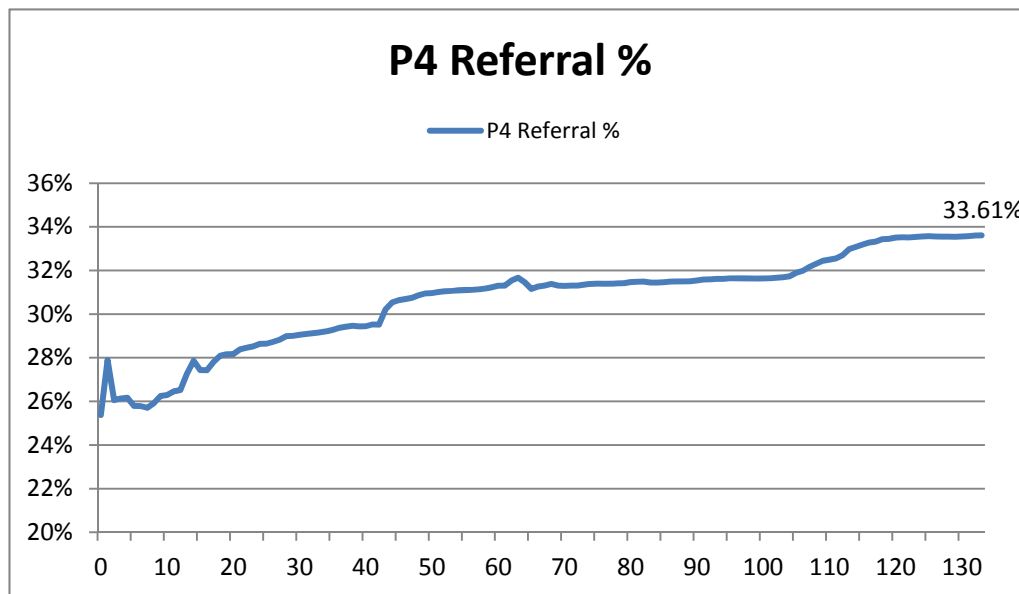
- October 12: Webinar from 8:30 – 11:30 PST
- Agenda
- Slides
- Post-SRP meeting agenda

❖ IRB Modification (Reminder for Referral) - Resubmitted/Pending

October 18, 2011

- **SRP Comments and Plans:**

- Pre-incentives for Family Participants?
 - Starbucks Gift Cards
- Outreach?
 - Opinion leaders
- Diversity Campaign?
 - P4 Demographics: Referring vs. non-referring (pending)
- Video/Audio Referral process?
- Focus on Children (benefits to children) for marketing?
- Branding (family logo on children's items)?

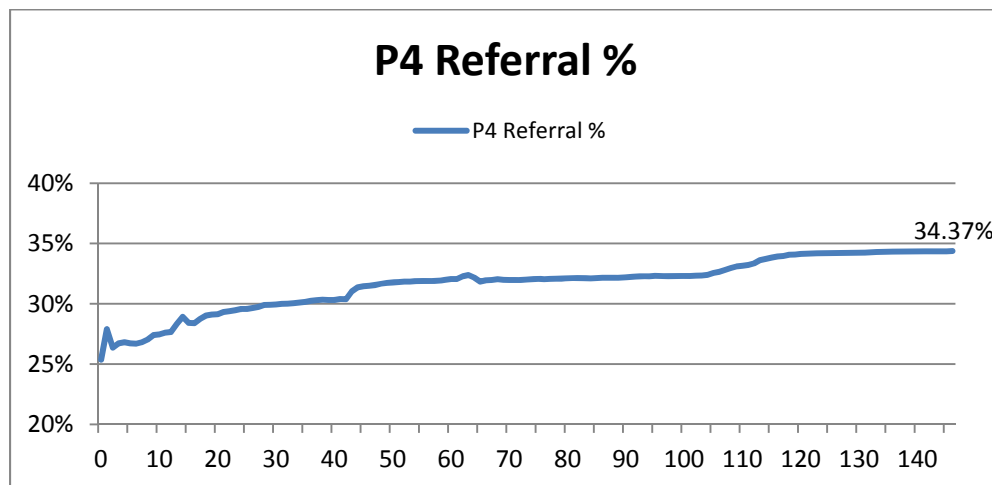


- ❖ New Referral Page Stats: **185 completers, 73 yes (39.5%), 4 no, 108 skip**
 - Reminder for Referral (Automated Email) is Active!
- ❖ P4 Demographics: pending
- ❖ Thoughts about forming an Analysis Team for data cleaning
- ❖ New Email Reminder for Family Team initiated (**see attached copy**)

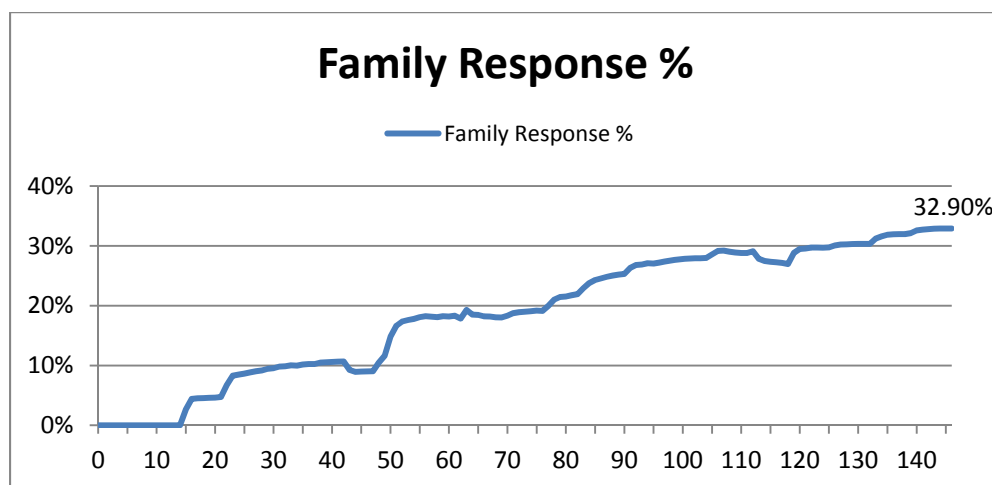
9/27/2011 before email											
Jumbo With Survey (N = 24320)			Jumbo WithOut Survey (N = 24320)			Letter Size (N = 24320)			Regular (N = 24324)		
Married			Married			Married			Married		
Responders P4	138	0.57%	Responders P4	131	0.54%	Responders P4	98	0.40%	Responders P4	135	0.56%
NonResponder P4	24182	99.43%	NonResponder P4	24189	99.46%	NonResponder P4	24222	99.60%	NonResponder P4	24189	99.44%
Family Invites	74	0.30%	Family Invites	73	0.30%	Family Invites	46	0.19%	Family Invites	56	0.23%
Family Invite rate		53.62%	Family Invite rate		55.73%	Family Invite rate		46.94%	Family Invite rate		41.48%
10/4/2011 after email											
Jumbo With Survey (N = 24320)			Jumbo WithOut Survey (N = 24320)			Letter Size (N = 24320)			Regular (N = 24324)		
Married			Married			Married			Married		
Responders P4	403	1.66%	Responders P4	346	1.42%	Responders P4	311	1.28%	Responders P4	328	1.35%
NonResponder P4	24182	99.43%	NonResponder P4	24189	99.46%	NonResponder P4	24222	99.60%	NonResponder P4	24189	99.44%
Family Invites	181	0.74%	Family Invites	166	0.68%	Family Invites	122	0.50%	Family Invites	121	0.50%
Family Invite rate		44.91%	Family Invite rate		47.98%	Family Invite rate		39.23%	Family Invite rate		36.89%
10/11/2011											
Jumbo With Survey (N = 24320)			Jumbo WithOut Survey (N = 24320)			Letter Size (N = 24320)			Regular (N = 24324)		
Married			Married			Married			Married		
Responders P4	450	1.85%	Responders P4	388	1.60%	Responders P4	352	1.45%	Responders P4	353	1.45%
NonResponder P4	24182	99.43%	NonResponder P4	24189	99.46%	NonResponder P4	24222	99.60%	NonResponder P4	24189	99.44%
Family Invites	203	0.83%	Family Invites	183	0.75%	Family Invites	141	0.58%	Family Invites	129	0.53%
Family Invite rate		45.11%	Family Invite rate		47.16%	Family Invite rate		40.06%	Family Invite rate		36.54%
10/18/2011											
Jumbo With Survey (N = 24320)			Jumbo WithOut Survey (N = 24320)			Letter Size (N = 24320)			Regular (N = 24324)		
Married			Married			Married			Married		
Responders P4	472	1.94%	Responders P4	415	1.71%	Responders P4	361	1.48%	Responders P4	373	1.53%
NonResponder P4	24182	99.43%	NonResponder P4	24189	99.46%	NonResponder P4	24222	99.60%	NonResponder P4	24189	99.44%
Family Invites	216	0.89%	Family Invites	189	0.78%	Family Invites	146	0.60%	Family Invites	135	0.56%
Family Invite rate		45.76%	Family Invite rate		45.54%	Family Invite rate		40.44%	Family Invite rate		36.19%

November 8, 2011

Today: P4 Referral - 35% (new referral form slowly making an impact)



Today: Family Response - 34% (bi-weekly reminders sent)



Magnet Picture Mailers: 1060 will be sent this week

Invite change stats: 123/284 married completers – 43% response rate

Automated email sent to 3,222 P4 non-referrers that didn't say no: 78 yes, 4 no

Postcard: National Military Family Month postcard being developed (see attachment).

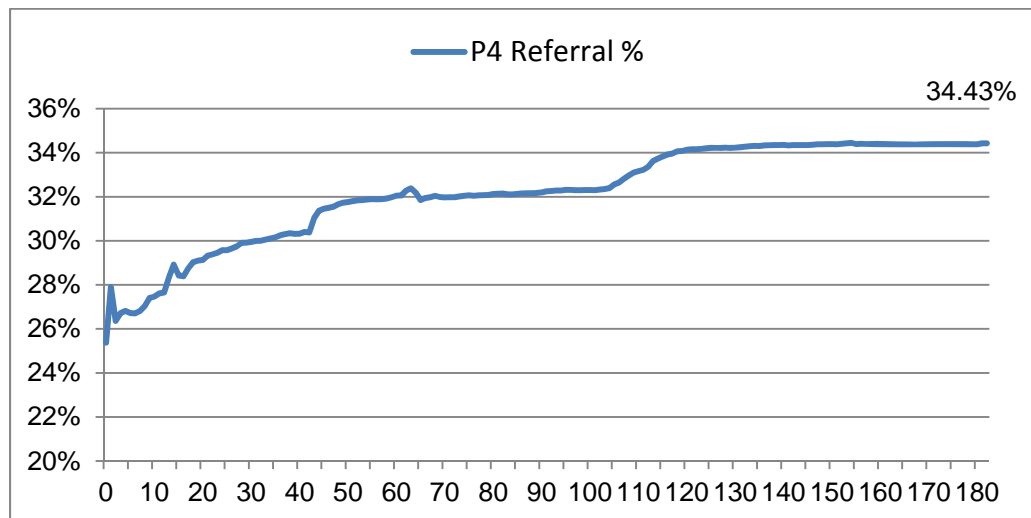
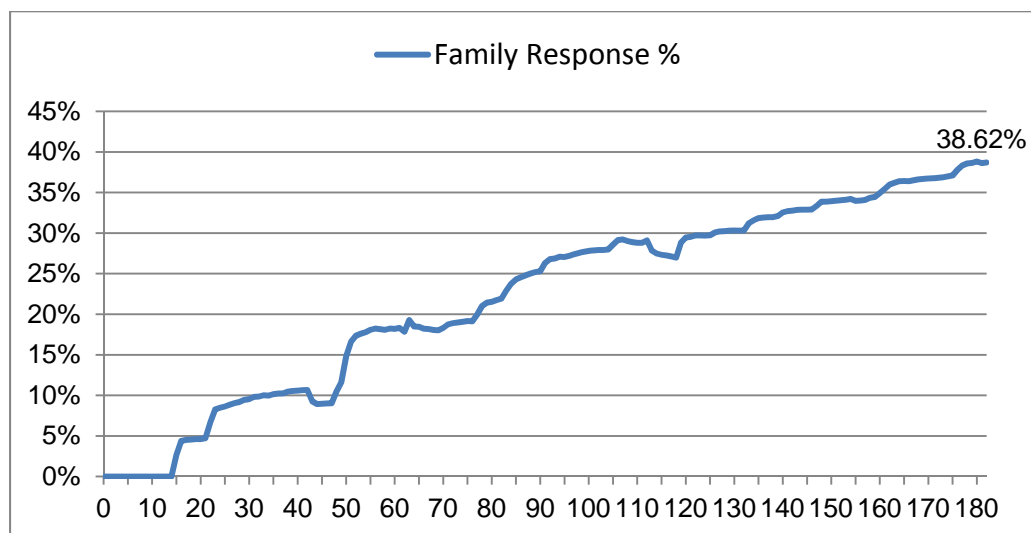
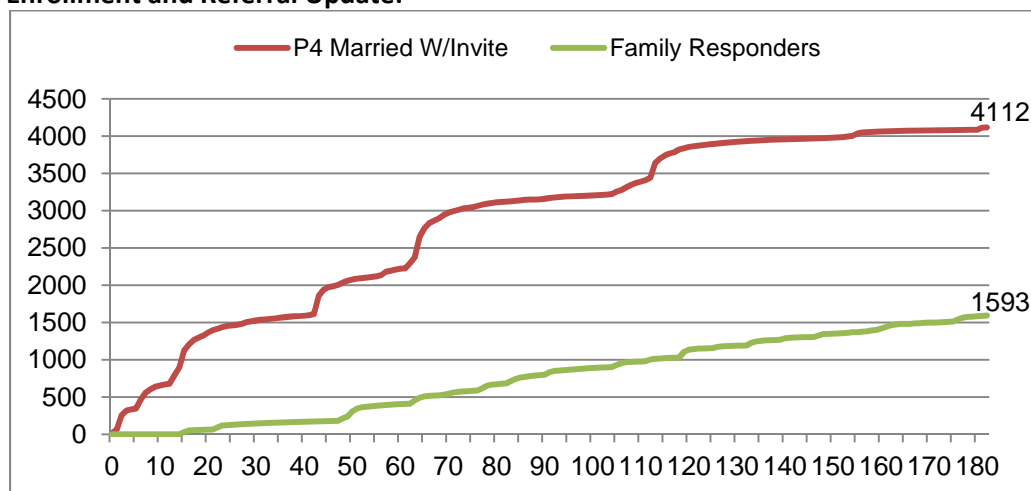
Analysis Meeting: Who wants to be a part of this bi-weekly meeting?

IRB Modification pending: Pre-incentive with Family Invite (gift card vs. cash)?

Email to married paper responders asking for referral

December 6, 2011

Enrollment and Referral Update:

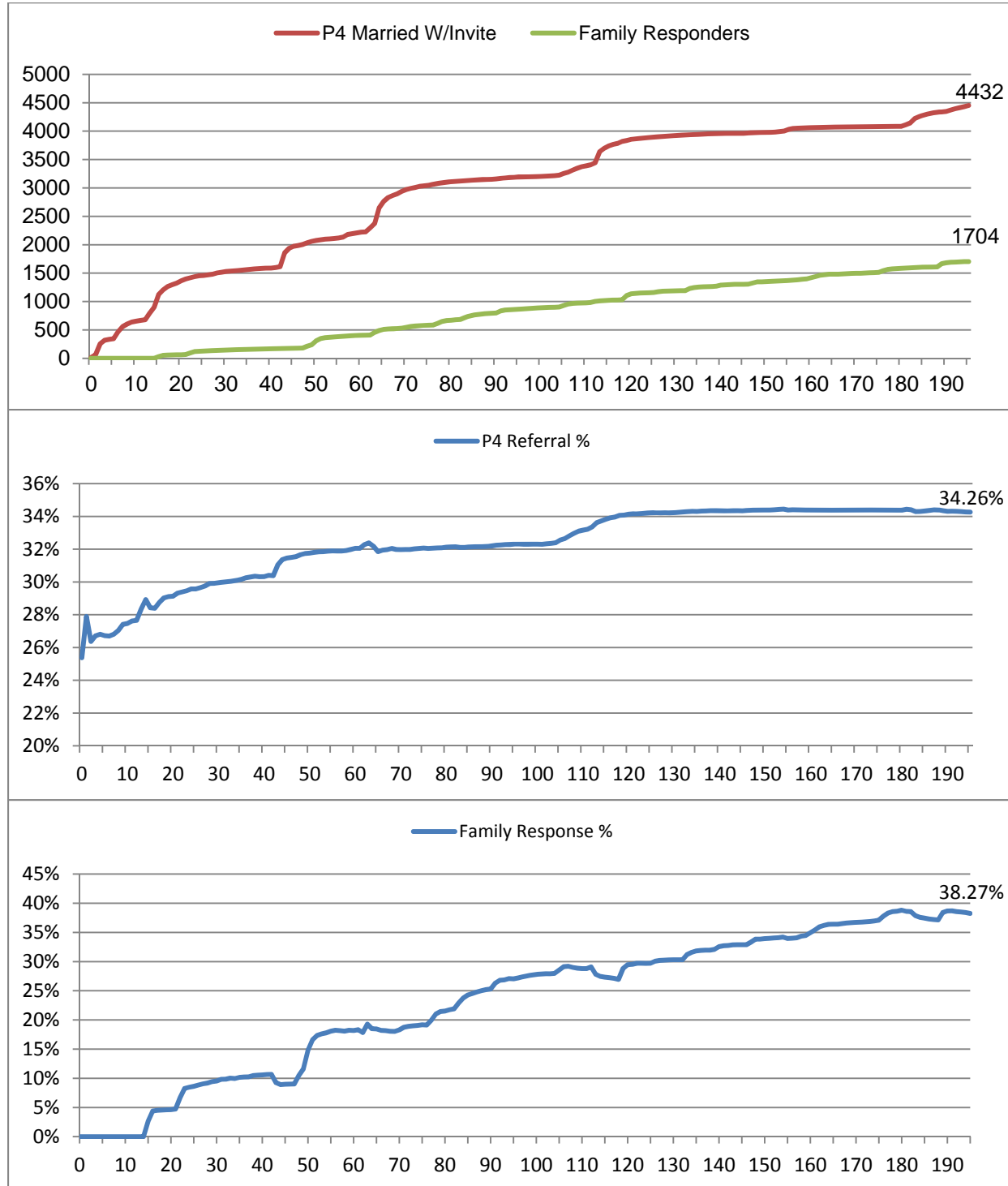


- **Panel 4 Contacts**
 - Questionnaire 1 arriving in households now
 - Emails will be sent today or tomorrow
 - Automated Calls for Married service members will start Dec 7th or 8th
 - Service Specific Memorandums will be mailed Dec 12th (no mention of Family Study)
 - "Family Study Referral Request" graphic insert with P4 incentive mailings for married P4 completers that have not declined to refer spouse will be sent next week
- **Spouse Contact**
 - National Military Family Month postcard delivered end of November
 - New version of reminder email sent to 2581 spouses last Tuesday
 - 40 new invites this week
 - \$5 Pre-incentives approved by our IRB and are currently in development and we hope to start sending them next week
- **Panels 1-3 baseline enrollment (2001, 2004, 2007) by month**
 - see table attachment
- **Millennium Cohort External Advisory Board webinar**
 - Milcoh will be asking the EAB for advice about additions and revisions to the survey for 2014.
 - Suggestions for Family related changes to Milcoh
 - Marital Satisfaction/Quality (Family uses 4 items from the Quality of Marriage Index)
 - Military Childhood
 - Communication
 - Support
 - Self-Mastery
- **Family Study Survey Revisions**
 - Suggest we meet before we meet with the SRP in March/April 2012
 - We haven't reached a consensus on an SRP meeting date – trying to determine if we can meet at the same time as the EAB 2012 meeting

December 20, 2011



Enrollment and Referral Update:



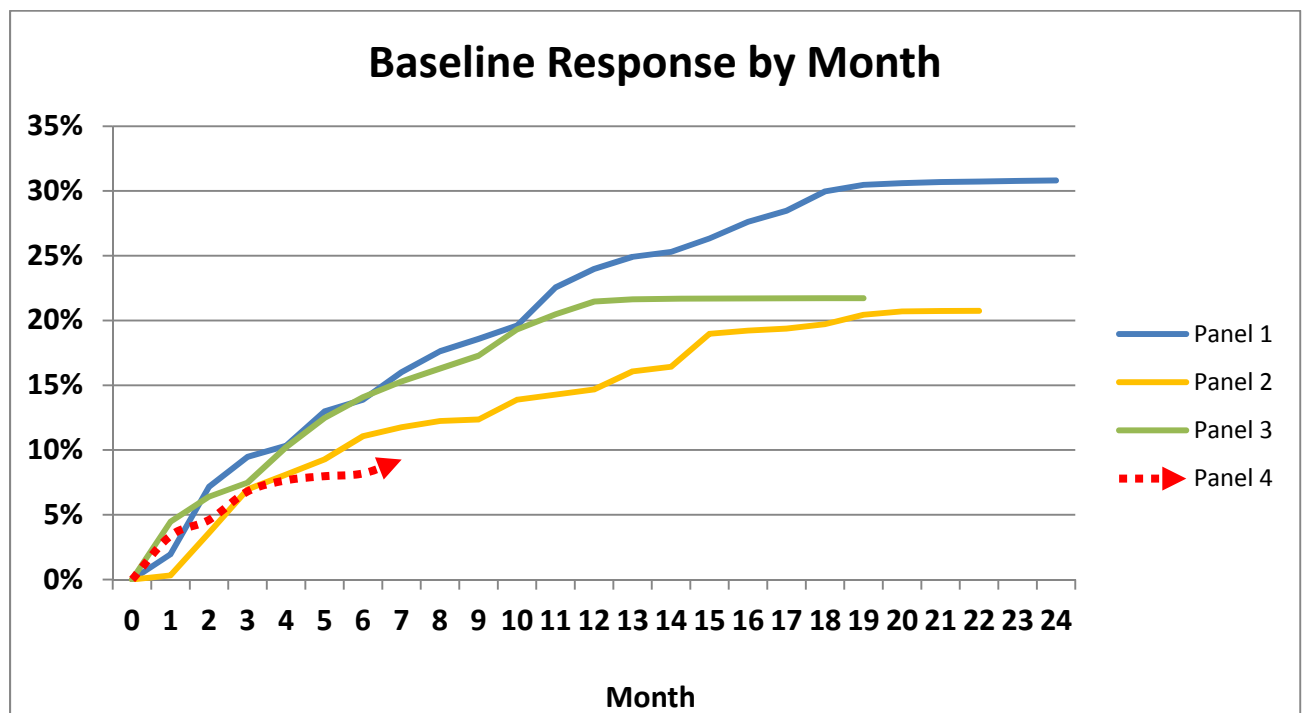
Panel 4 Contacts

- Questionnaire 1 sent last week , paired with email contact and automated calls
- Service Specific Memorandums mailed on Dec 12th (no mention of Family Study)
- "Family Study Referral Request" graphic insert with P4 incentive mailings for married P4 completers that have not declined to refer spouse sent last week.

Spouse Contact

- National Military Family Month postcard delivered end of November
- New version of reminder email sent to 2581 spouses
- 343 invited over the last 2 weeks
- \$5 Pre-incentives approved by our IRB and are currently in development and we hope to start sending them next week

Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Millennium Cohort External Advisory Board webinar

- Suggestions for Family related changes to Milcoh
 - Marital Satisfaction/Quality (Family uses 4 items from the Quality of Marriage Index)
 - Military Childhood (Not included in Family but suggested)
 - Communication (Family has 2 poor items)
 - Support (Family asks about during deployment)
 - Self-Mastery (we also only use 3/7 items)

Family Study Survey Revisions

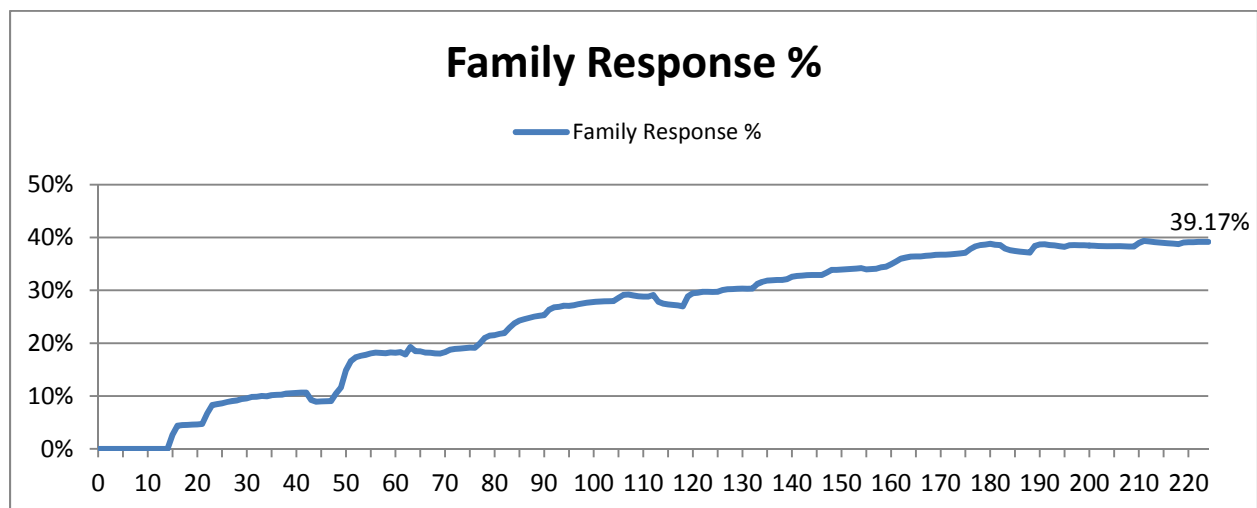
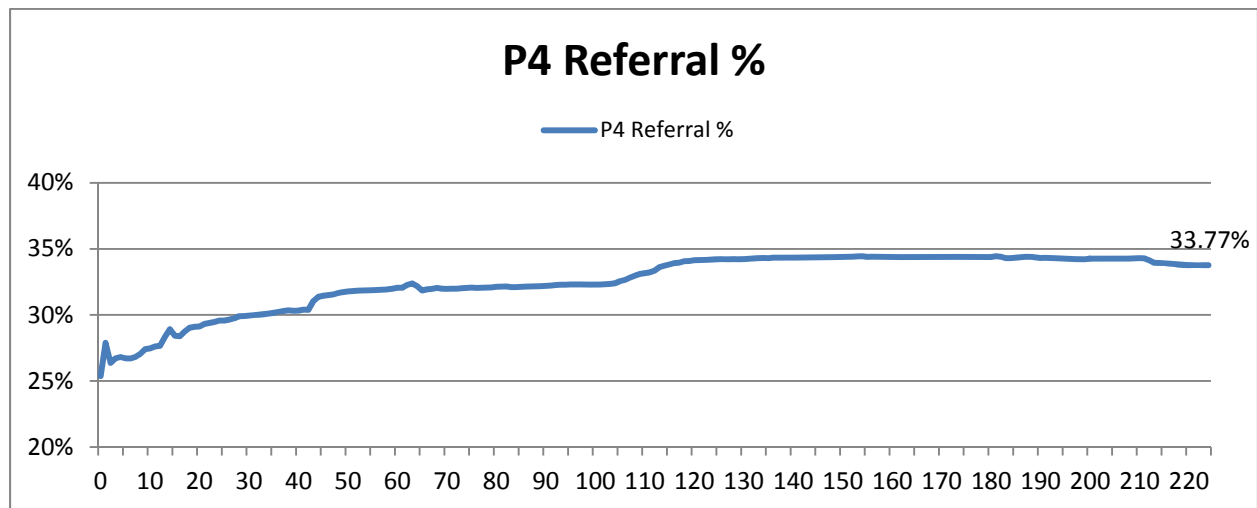
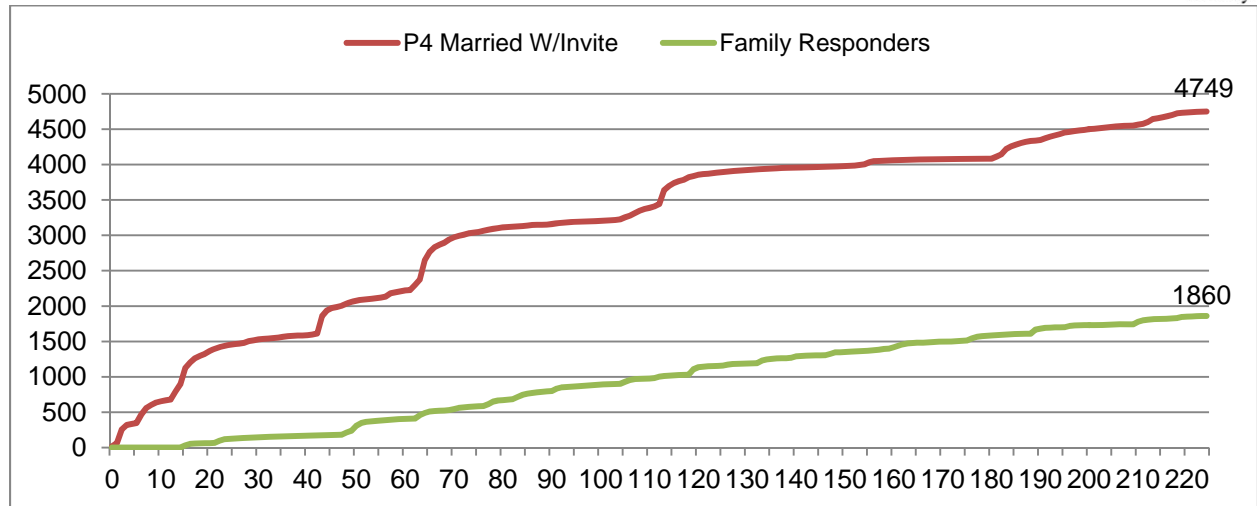
- Suggest we meet before we meet with the SRP in March/April 2012
 - We haven't reached a consensus on an SRP meeting date – trying to determine if we can meet at the same time as the EAB 2012 meeting

Endorsement: General Martin Dempsey (Chairman of the Joint Chiefs) & Deanie Dempsey

January 17, 2012

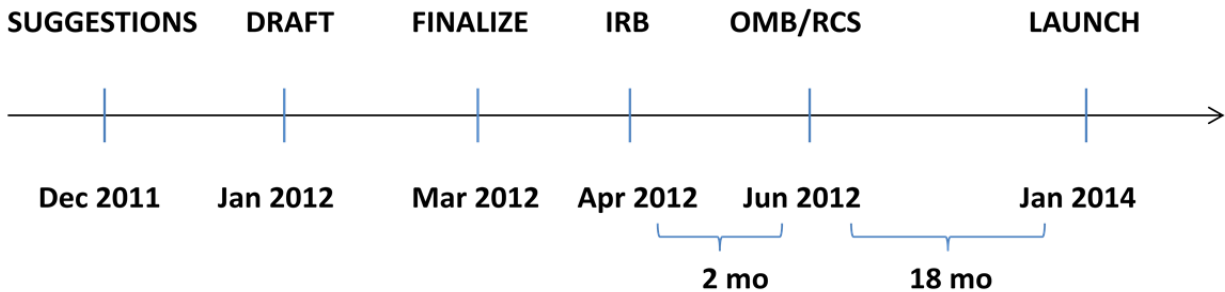


Enrollment and Referral Update:



Timeline Reminder:

- Timeline for proposed launch date of January 2014



Panel 4 Contacts

December contact:

- Questionnaire 1 mailed 1-3 Dec
- Email #6 sent 6-7 Dec
- Automated calls sent 6-9 Dec
- Service Specific Memorandums mailed on Dec 12th (no mention of Family Study)
- "Family Study Referral Request" graphic insert with P4 incentive mailings for married P4 completers that have not declined to refer spouse included in Dec and Jan incentive mailings

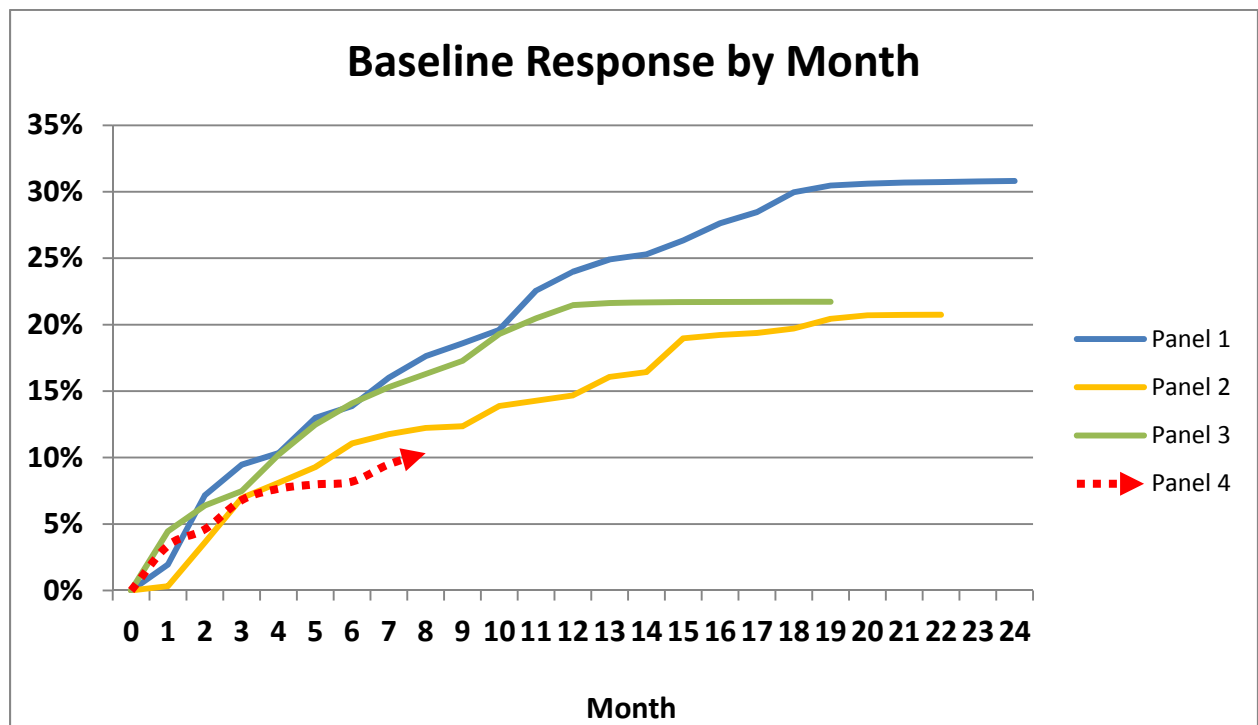
January contact (with previous IRB approval, we will send 4 emails this month):

- Email #7 sent 5 Jan
- Incomplete reminder emails (for those who logged in to the survey but did not hit submit) will be sent every Tuesday
- Email #8 will be sent today, 17 Jan
- Email #9 will be sent 24 Jan
- Email #10 will be sent 31 Jan

Spouse Contact

- National Military Family Month postcard delivered end of November
- New version of reminder email sent to 2587 spouses
- 451 invited since our last meeting on 20 Dec
- \$5 Pre-incentive mailer has been approved by our IRB. We hope to start sending them next week (artwork is attached).

Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Millennium Cohort External Advisory Board webinar

- EAB Meeting will be 11-12 April 2012
- Suggestions for Family related changes to Milcoh
 - Marital Satisfaction/Quality (Family uses 4 items from the Quality of Marriage Index)
 - Military Childhood (Not included in Family but suggested)
 - Communication (Family has 2 poor items)
 - Support (Family asks about during deployment)
 - Self-Mastery (we also only use 3/7 items)

Family Study Survey Revisions

- Suggest we meet before we meet with the SRP in March/April 2012

Endorsement: General Martin Dempsey (Chairman of the Joint Chiefs) & Deanie Dempsey

- John briefed Deanie on 13 Jan

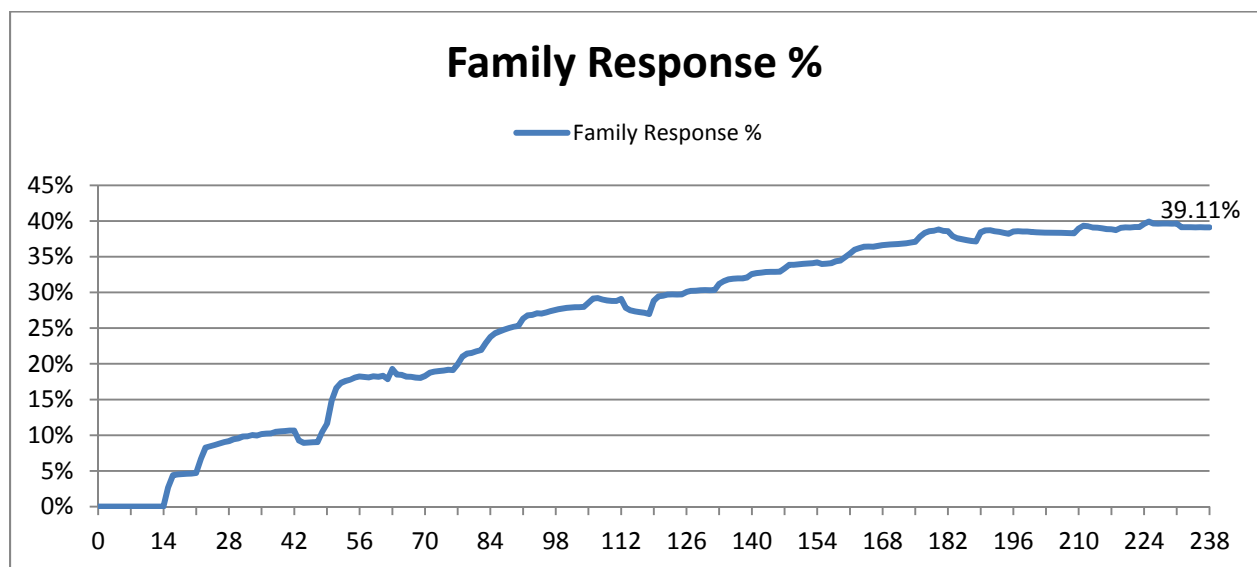
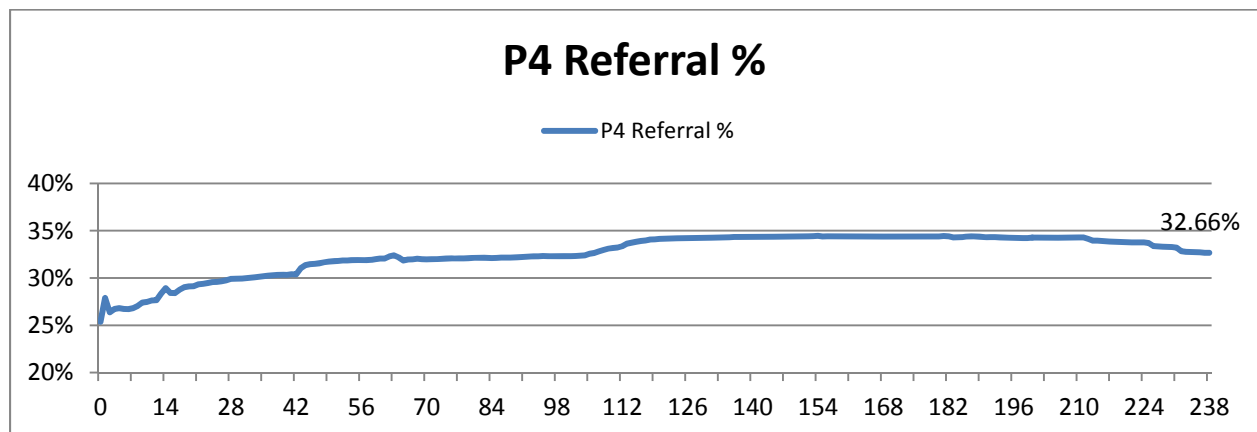
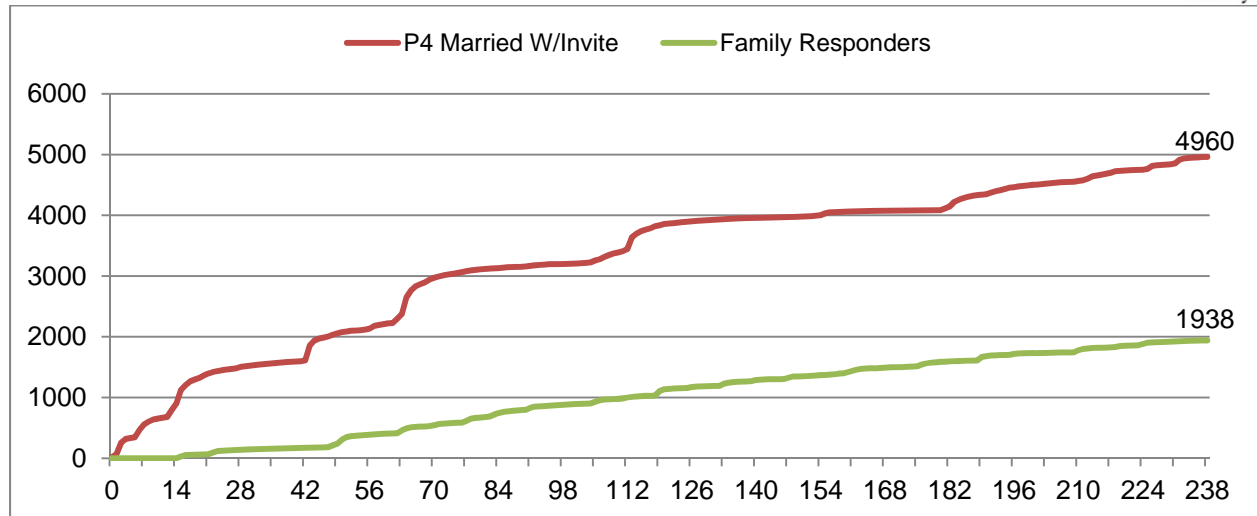
After her visit, Deanie posted on her Facebook page <<http://www.facebook.com/DeanieDempsey>>

“Today, I had the opportunity to visit the Durham, N.C. Veterans Medical Center. The VA serves more than 200,000 veterans in the area and is conducting a lot of innovative research in post-traumatic stress disorder and traumatic brain injury. I also learned about the Millennium Cohort Family Study which is exploring how being in the military affects relationships within the family as well as family health. These kinds of studies are really important as we find new ways to help service members and families.”

January 31, 2012

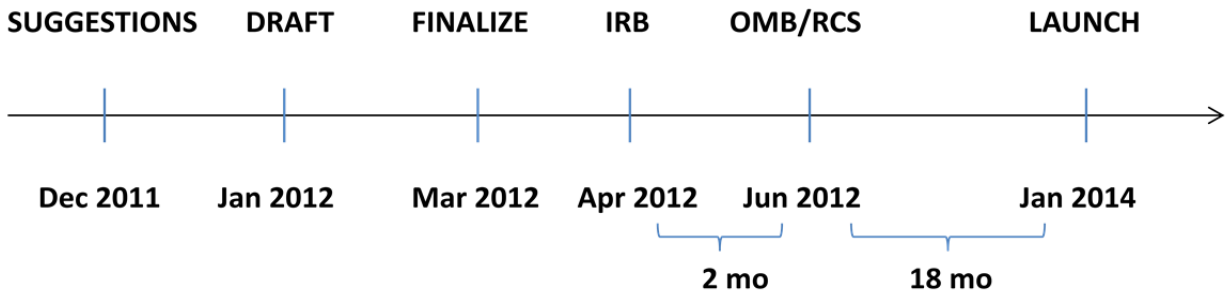


Enrollment and Referral Update:



Timeline Reminder:

- Timeline for proposed launch date of January 2014



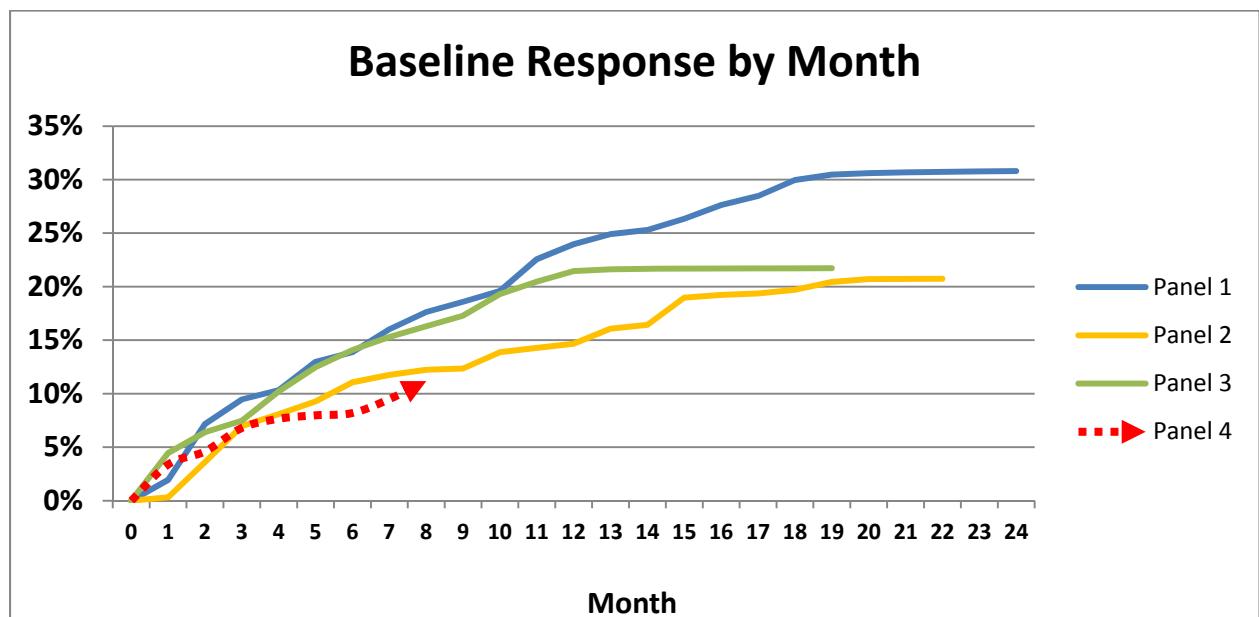
Panel 4 Recent and Upcoming Contact

- Email #8 sent 18 Jan
- Email #9 sent 24 Jan
- Email #10 will be sent today, 31 Jan
- Postcard will be mailed 2-4 Feb -- married version mentions the Family Study

Spouse Contact

- 125 invited since last Tuesday's update and 2947 reminded to complete their survey today
- \$5 Pre-incentive Starbucks card will be mailed in the next few days

Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



New Marketing Initiatives

- \$5 pre-incentive Starbucks card mailed to service members with request to refer their spouses
- Paper version of the Family Survey for referred spouses
- “Welcome to the Family” keepsake magnet picture frames will be sent to everyone that joins

2014 Survey Revisions Meeting

- 9 Feb at Naval Health Research Center

Endorsement Update: General Martin Dempsey (Chairman of the Joint Chiefs) & Deanie Dempsey

Data Cleaning Update: Kelly

2012 SRP In-person Meeting

- 10 Apr

IRB Continuing Review: Due 10 Feb

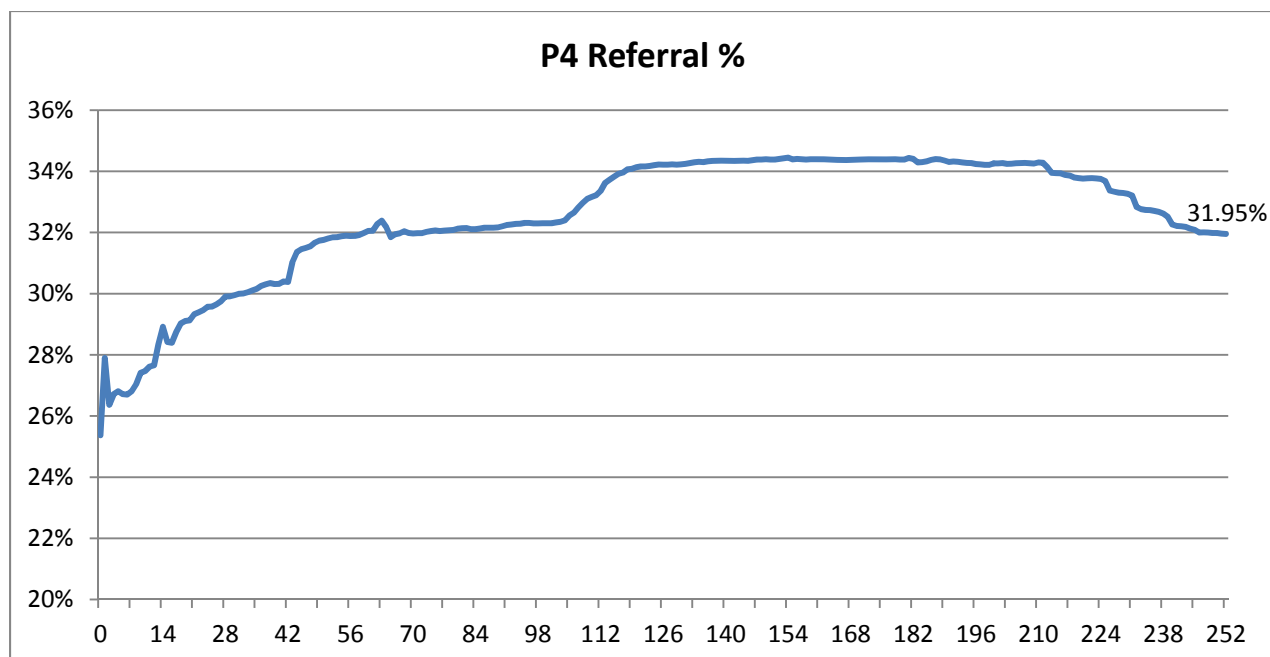
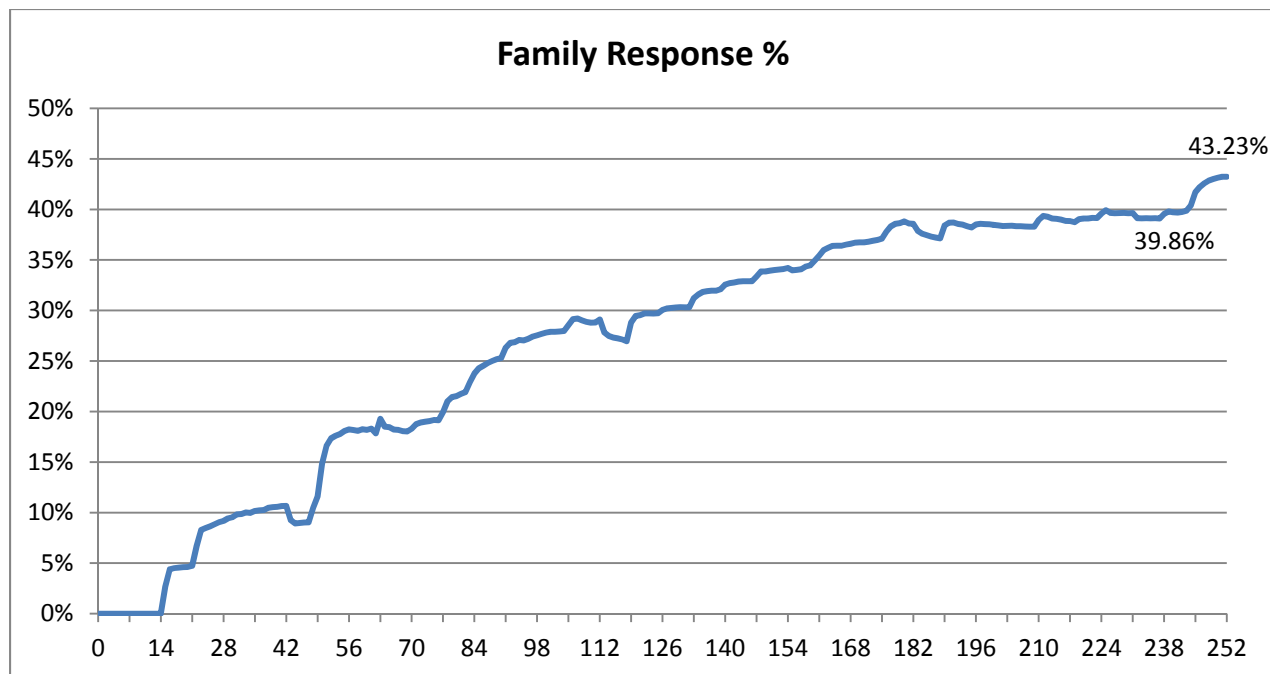
February 14, 2012 – Happy Valentine's Day 

Follow-up Survey Planning Meeting in Sunny San Diego Feb 9 2012

- See attached slides
- Summary will be emailed soon

Enrollment and Referral Update:

2198 enrolled!!



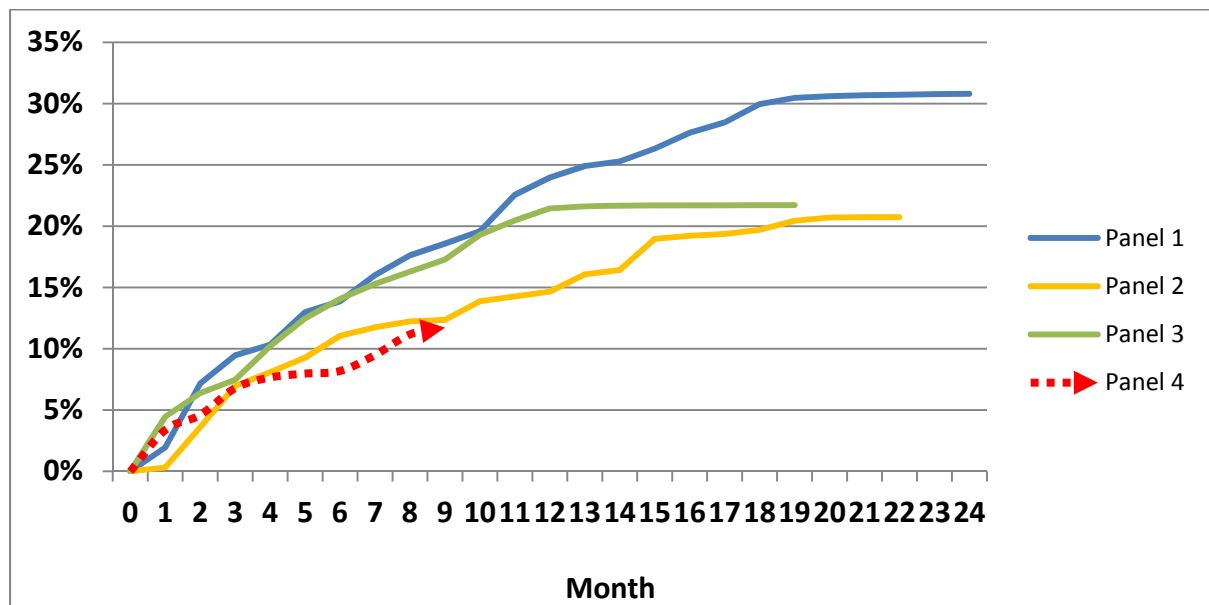
Panel 4 Recent and Upcoming Contact

- Emails sent 18, 24, 31 Jan and 7, 14 Feb
- Postcard mailed 2-4 Feb (½ sent, ½ pending) -- married version mentions the Family Study
- Questionnaire 2 will be mailed 22-24 Mar

Spouse Contact

- 52 invited since last Tuesday's update and 2895 reminded to complete their survey today
- 2nd \$5 Pre-incentive Starbucks card mailer will be sent to Anderson for processing this week

Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Timeline: Need final version of survey ready by SRP meeting/IRB target date in April

- Weekly meetings until April?

Endorsement Update

- Letters of support received from GEN Dempsey and his wife, Deanie

New Marketing Initiatives

- Marketing team will discuss strategies for incorporating the Dempsey's endorsements in new marketing materials to P4 service members and spouses, as well as the study website
- \$5 pre-incentive Starbucks card for service members with request to refer their spouses
- Paper version of the Family Survey for referred spouses
- 2nd round of jumbo postcard mailing
- "Welcome to the Family" keepsake magnet picture frames will be sent to everyone that joins

2012 SRP In-person Meeting

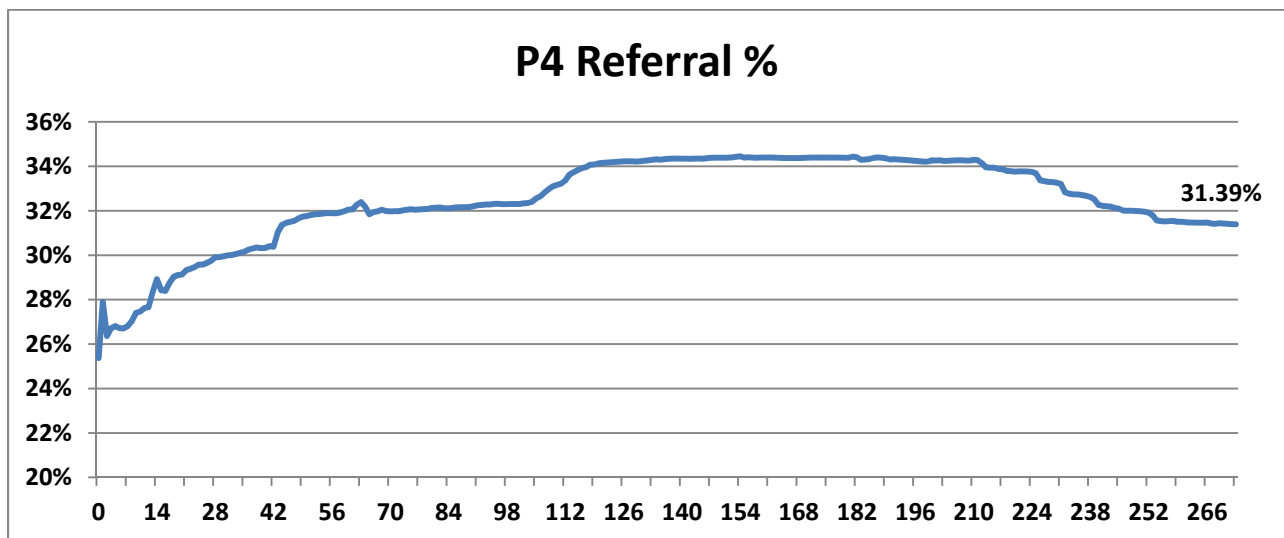
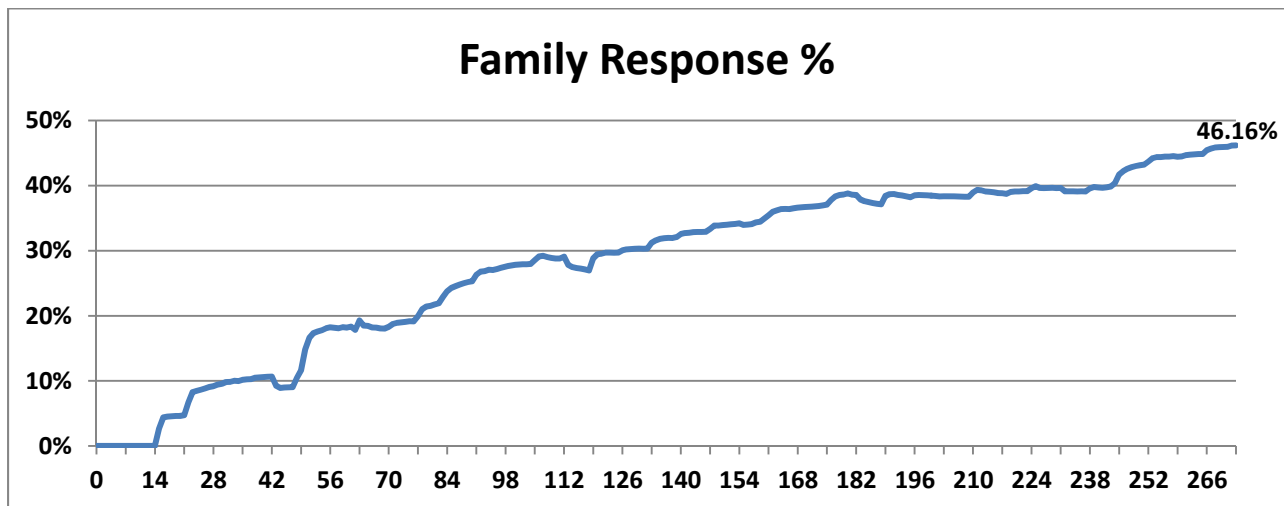
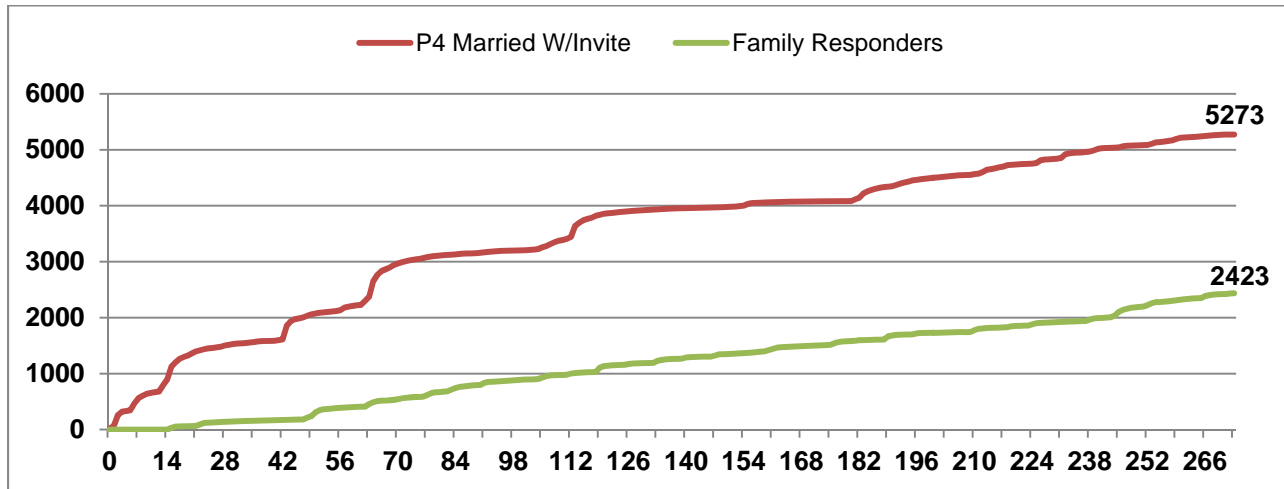
- 10 April 2012
- Agenda and Invitees

IRB Continuing Review: Submitted!

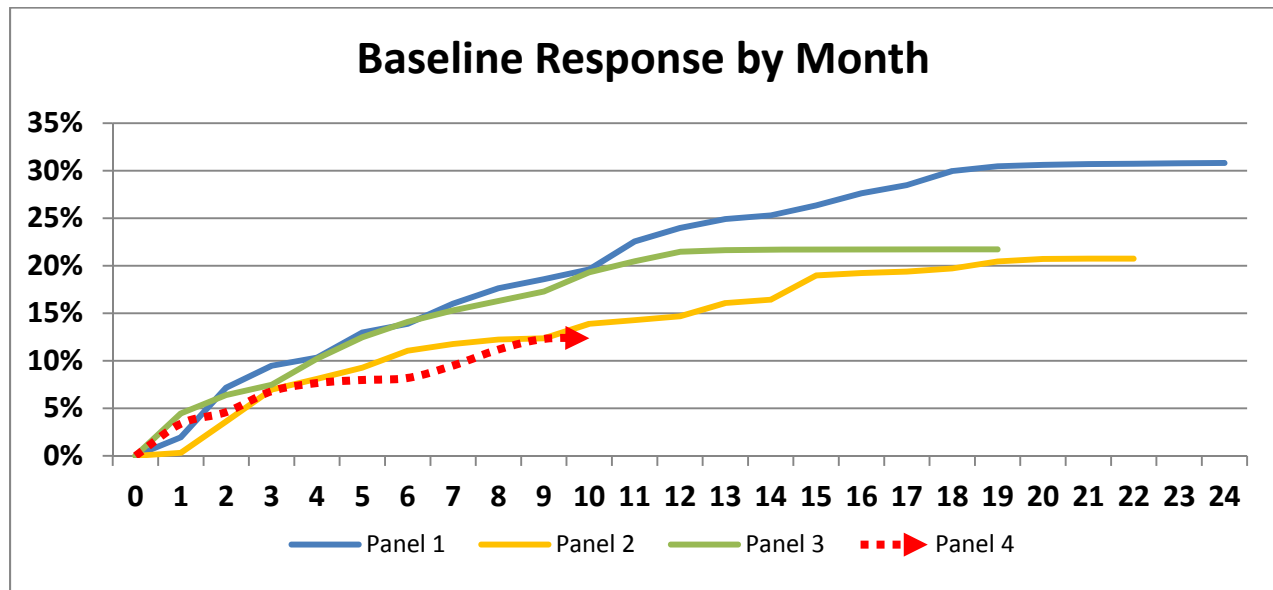
March 6, 2012



Enrollment and Referral Update:



Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Panel 4 Recent and Upcoming Contact

- Emails sent end of January, mid February, and today
- Postcard mailed 4 Feb and 17 Feb -- married version mentions the Family Study
- Questionnaire 2 will be mailed 22-24 Mar
- GEN Dempsey endorsement letter with insert (married version with Family request) - April

Spouse Contact

- Invitation (N=38) emails sent today
- \$5 Pre-incentive Starbucks card mailer -- 237 mailed on March 1st, 86 mailed March 5th
- Deanie Dempsey endorsement letter with insert

2012 SRP In-person Meeting

- 10 April 2012
- Invitations will be sent this week

Spouse Direct Contact

- Direct spouse contact enrollment process was discussed with NHRC IRB and verbally approved – IRB modification submitted today
- Impact on data collected (we would not collect YOUR SPOUSES BEHAVIOR items for spouses without referral from service member)
- Obtaining recent contact information – **update**

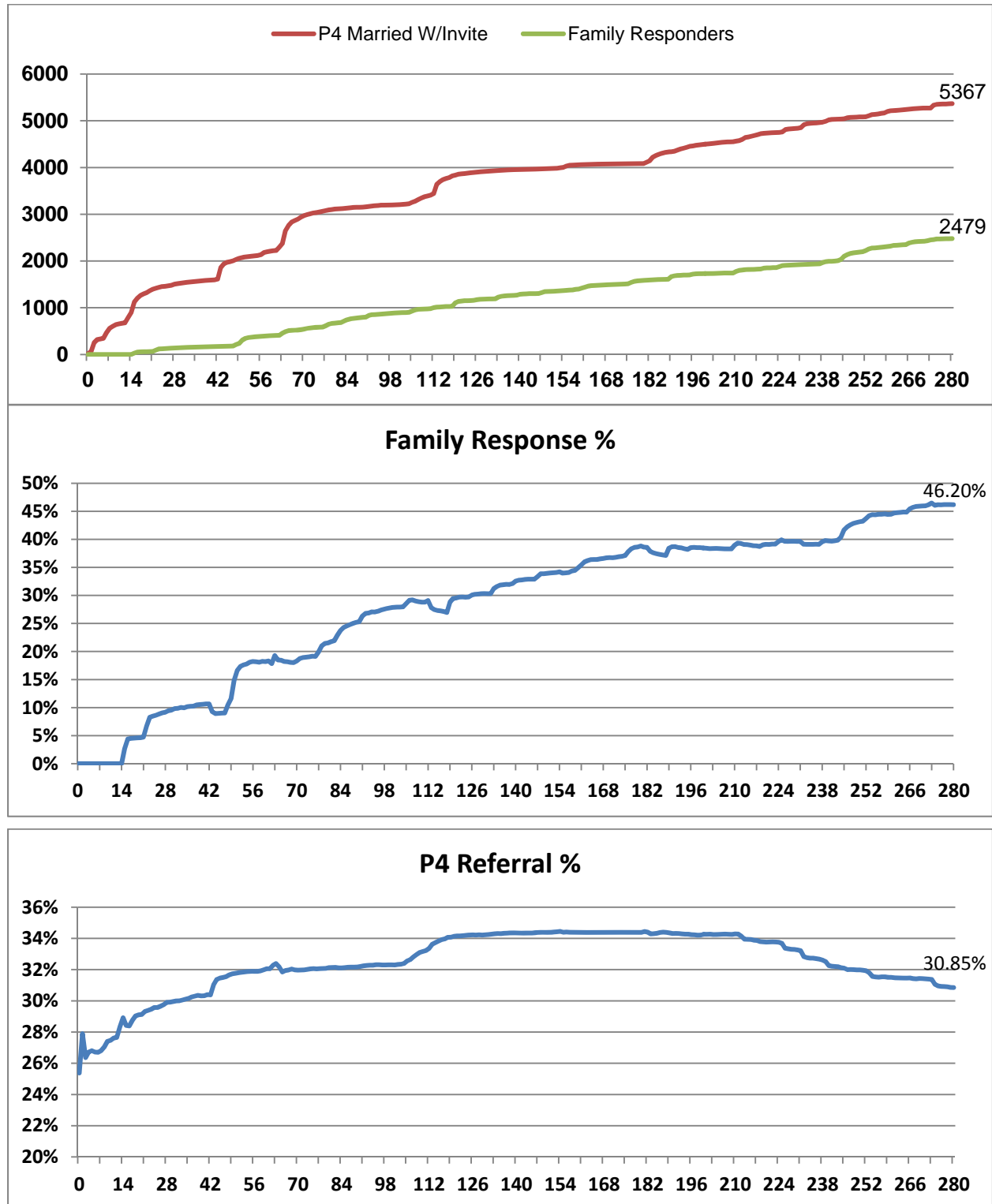
2014 Survey: Need final version of survey ready by SRP meeting/IRB target date in April

- Meeting time Thursday, March 8 @ 12:30 – 2 (PST)
- Please refer to meeting notes for research responsibilities

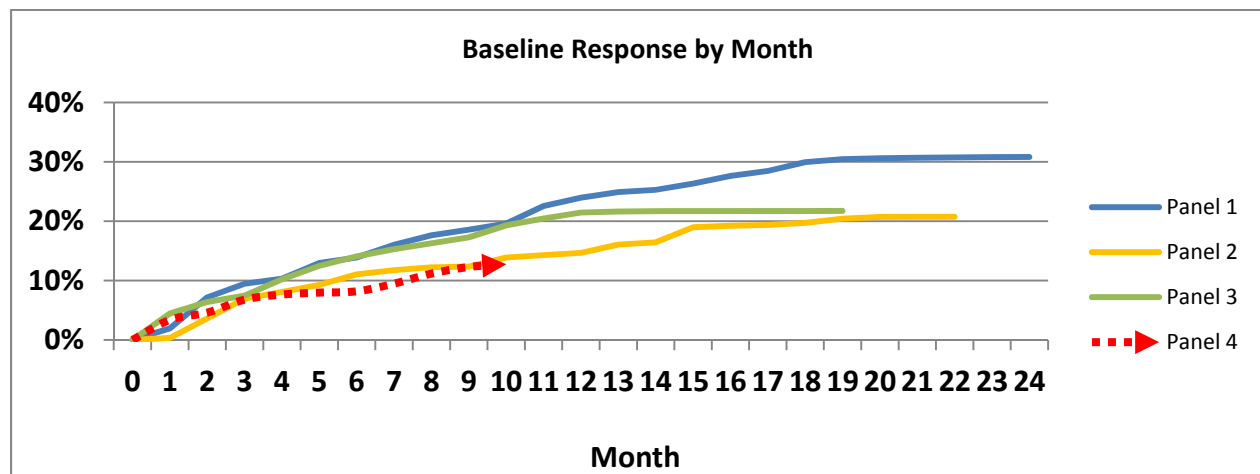
March 13, 2012



Enrollment and Referral Update:



Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Panel 4 Recent and Upcoming Contact

- Email will be sent today
- Questionnaire 2 will be mailed 22-24 Mar
- Newsletter will be mailed in late March (includes a section on Family Study)
- GEN Dempsey endorsement letter with insert (married version with Family request) - April

Spouse Contact

- Invitation (N=97) emails sent today
- Reminder (N=2867) emails sent today
- \$5 Pre-incentive Starbucks card mailer -- 237 mailed on March 1st, 86 mailed March 5th, and new list sent today (N=77) to be mailed next week
- Deanie Dempsey endorsement letter with insert -- haven't heard back from MAJ Donahue on whether we can use a family picture of the Dempseys in front of the capitol (GEN and children in uniform).

2012 SRP In-person Meeting

- 10 April 2012
- Invitations sent today
- Have SRP members been contacted for travel arrangements?

Spouse Direct Contact

- IRB modification has been approved
- Obtaining recent contact information -- we may want to begin direct spouse contact using the service member's address, but address it to the Spouse's Name, which I believe we can get from the DEERs record that we have (with IRB approval). We can simultaneously begin the DRS request for the spouses that are not co-located with the service member, which may take several months to obtain.

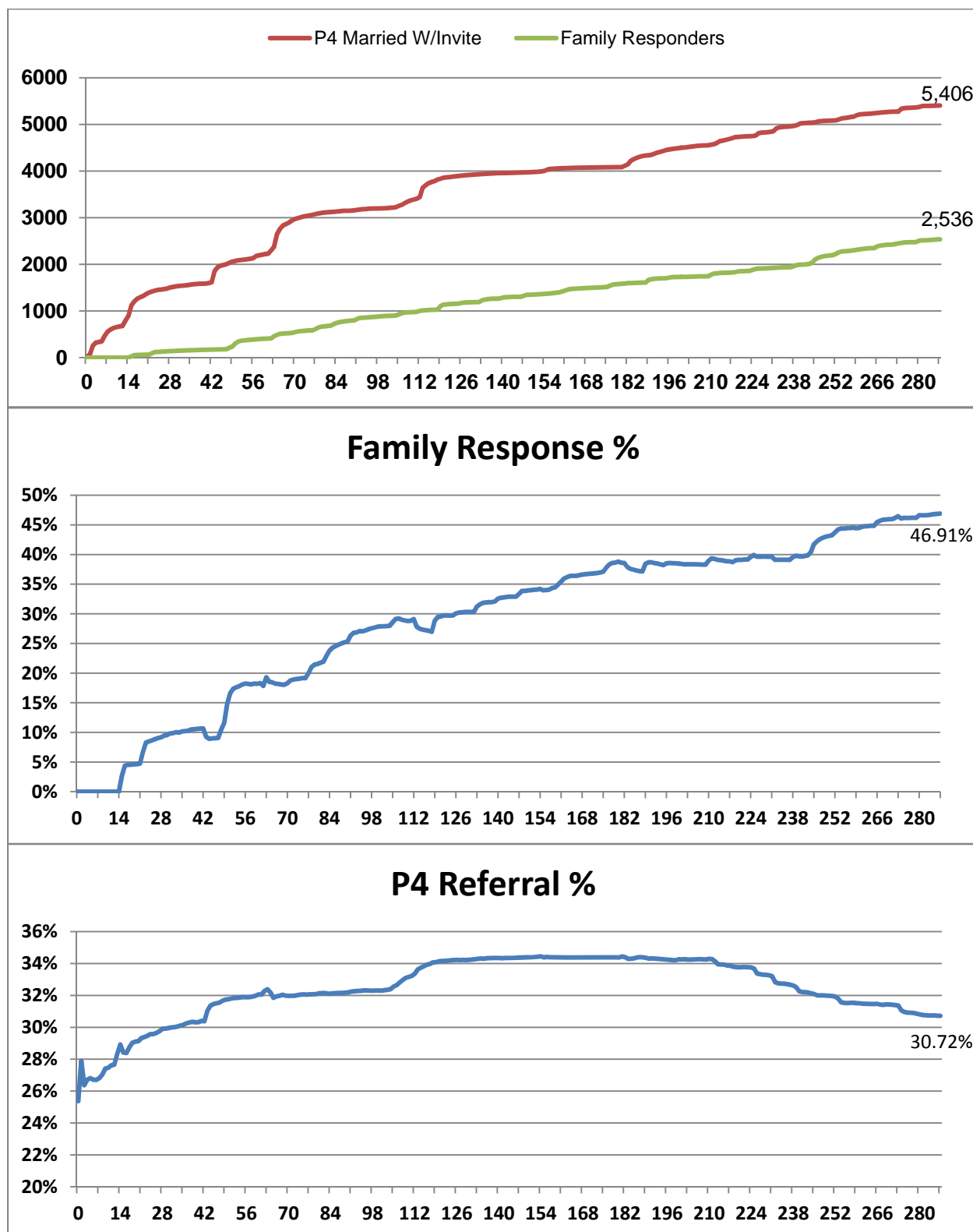
2014 Survey: Need final version of survey ready by SRP meeting/IRB target date in April

- Meeting time Thursday, March 15 @ 12:30 – 2 (PST)
- Refer to survey changes attachment for decisions made at the meeting last week

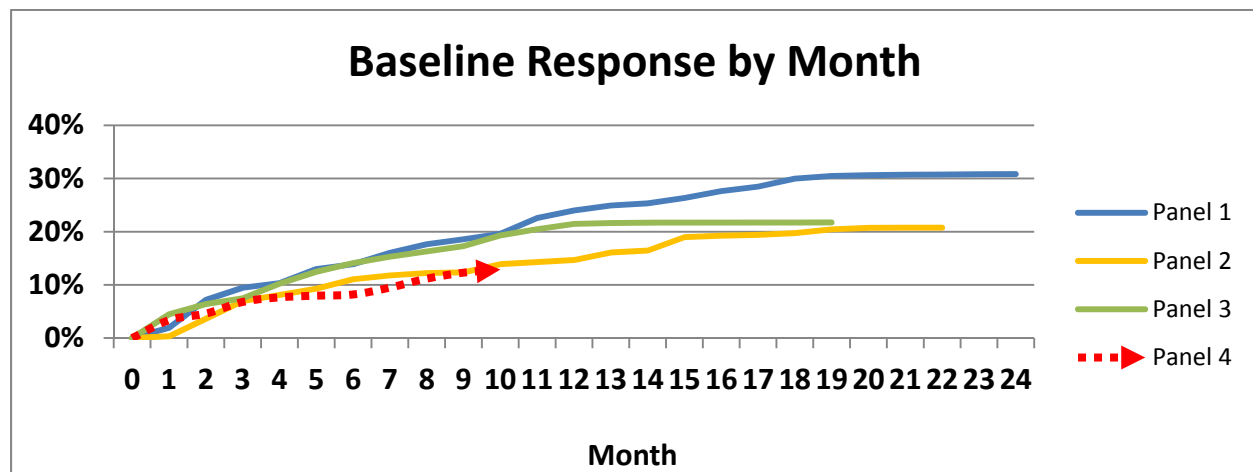
March 20, 2012



Enrollment and Referral Update:



Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Panel 4 Recent and Upcoming Contact

- Email sent last Tuesday
- Questionnaire 2 will be mailed this week, 22-24 Mar
- Newsletter will be mailed in the next couple of weeks
- GEN Dempsey endorsement letter with insert (married version with Family request) - April

Spouse Contact

- Invitation (N=39) emails sent today
- \$5 Pre-incentive Starbucks card mailer -- 237 mailed on March 1st, 86 mailed March 5th, and new list sent today (N=77) to be mailed this week
- Deanie Dempsey endorsement letter with insert – received approval from MAJ Donahue to use a picture of GEN Dempsey and Deanie

2012 SRP In-person Meeting

- 10 April 2012

Spouse Direct Contact

- IRB modification has been approved
- Obtaining recent contact information -- we may want to begin direct spouse contact using the service member's address, but address it to the Spouse's Name, which I believe we can get from the DEERs record that we have (with IRB approval). We can simultaneously begin the DRS request for the spouses that are not co-located with the service member, which may take several months to obtain.

2014 Survey: Need final version of survey ready by SRP meeting/IRB target date in April

- Meeting time Thursday, March 15 @ 1:00 – 2:30 (PST)
- Refer to survey changes attachment for decisions made at the meeting last week

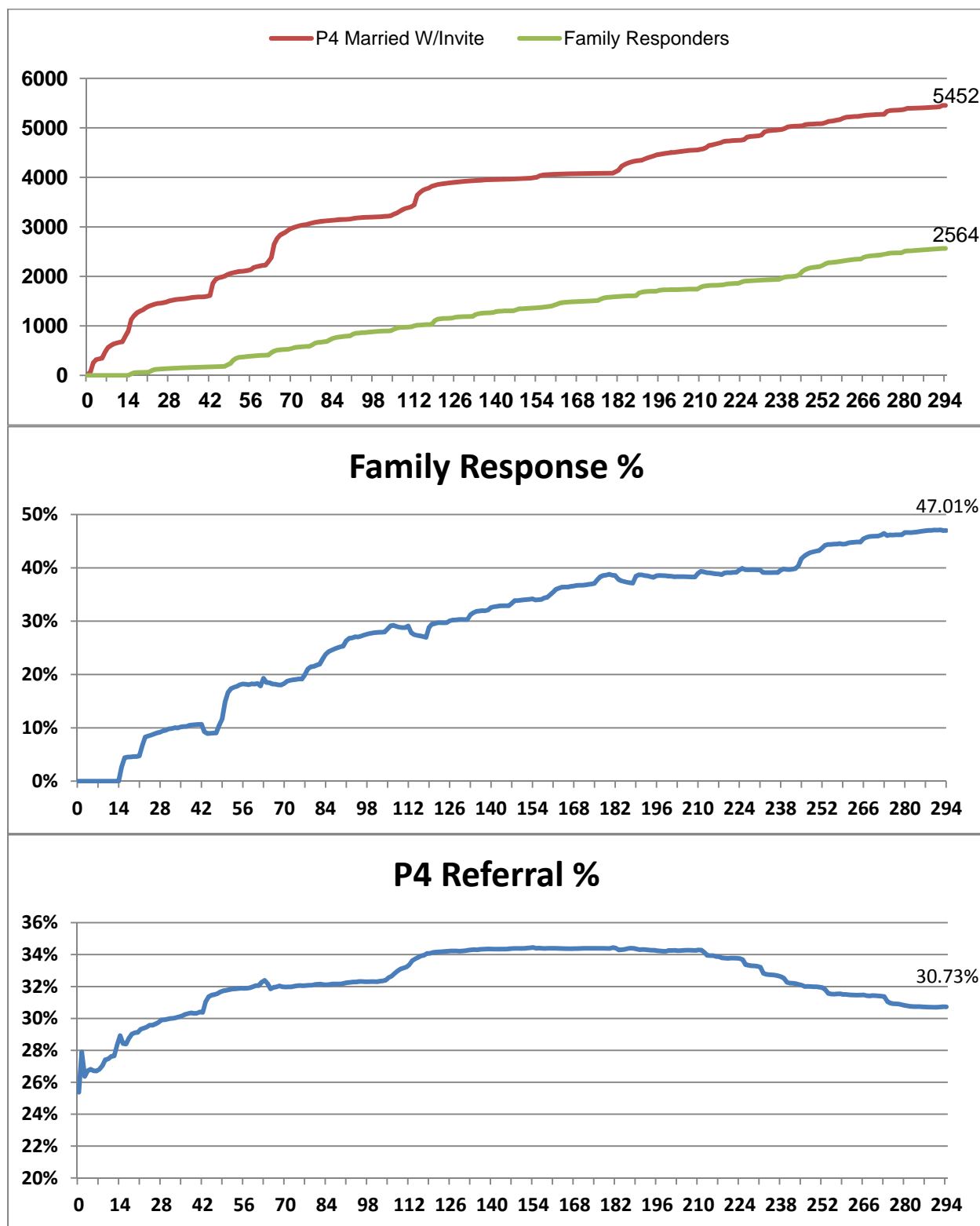
Marketing Initiatives in Progress:

- \$5 P4 pre-incentive almost complete
- April Month of the Military Child postcard
- Sample Family Study survey hard-copy cover/mailer
- Family website homepage updates – adding Dempsey endorsements and rotating banners

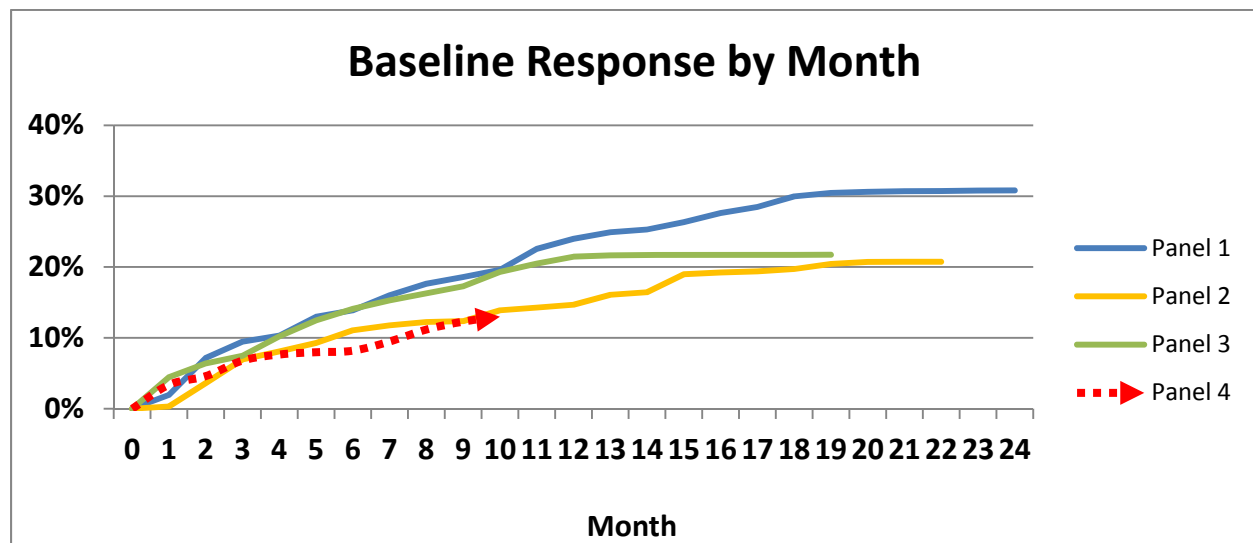
March 27, 2012



Enrollment and Referral Update:



Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Panel 4 Recent and Upcoming Contact

- Email sent last Tuesday
- Questionnaire 2 mailed last week, 22-24 Mar
- Newsletter will be mailed in the next couple of weeks
- GEN Dempsey endorsement letter with insert (married version with Family request) - April

Spouse Contact

- Invitation (N=54) emails and reminder emails (N=2,912) sent today
- \$5 Pre-incentive Starbucks card mailer -- 4th list sent today to be mailed next week
- Deanie Dempsey endorsement letter with insert – April

2012 SRP In-person Meeting

- 10 April 2012

Spouse Direct Contact

- IRB modification has been approved
- Begin direct spouse contact using service member addresses. Simultaneously begin the DRS request for addresses for the spouses that are not co-located with the service member, which may take several months to obtain.

2014 Survey: Need final version of survey ready by SRP meeting/IRB target date in April

- Meeting time Thursday, March 29th @ 1:00 – 2:30 (PST)
- Refer to survey changes attachment for decisions made at the meeting last week

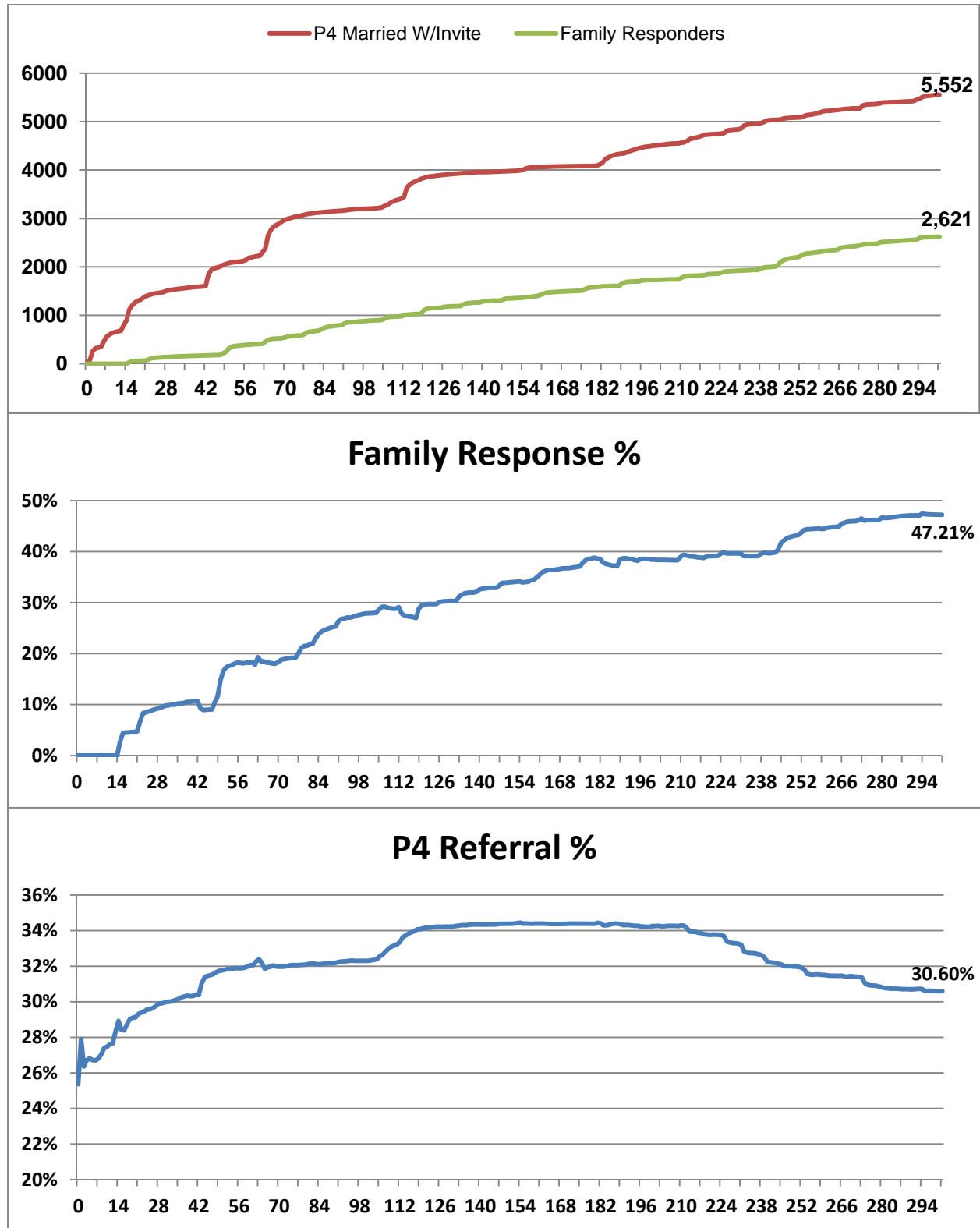
Marketing Initiatives in Progress:

- \$5 P4 pre-incentive almost complete
- April Month of the Military Child postcard almost complete
- Sample Family Study survey hard-copy cover/mailed almost finalized
- Family website homepage updates – adding Dempsey endorsements and rotating banners

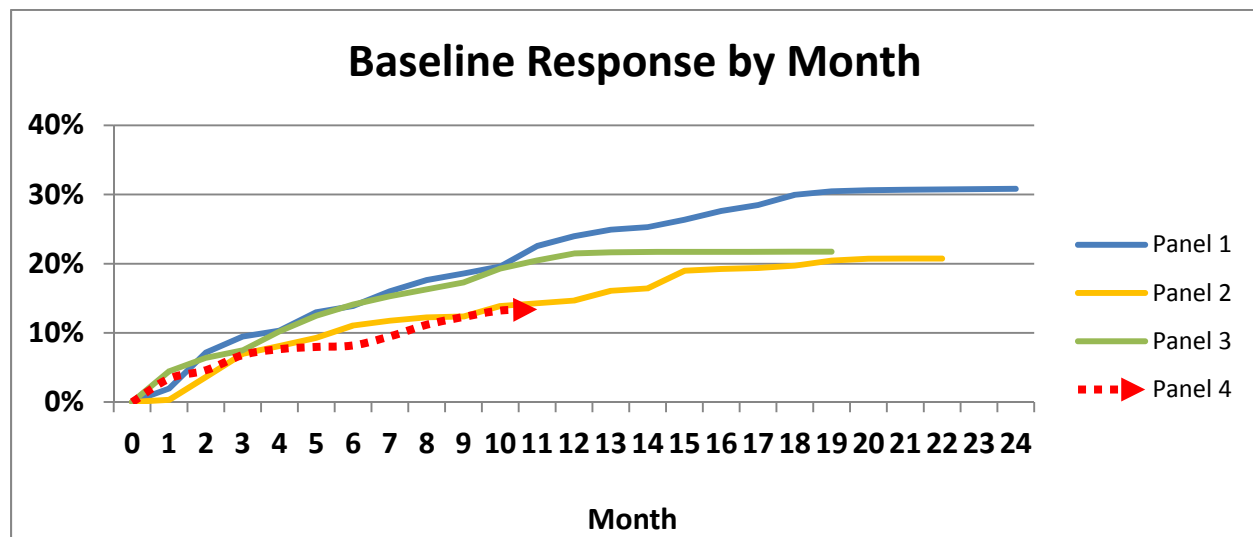
April 3, 2012



Enrollment and Referral Update:



Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Panel 4 Recent and Upcoming Contact

- Emails sent 27 Mar and 3 Apr
- Questionnaire 2 mailed 22-24 Mar
- Newsletter will be mailed ~ 6 April
- GEN Dempsey endorsement letter with insert (married version with Family request) - April

Spouse Contact

- Invitation (N=100) emails sent today; Reminder email sent last week
- \$5 Pre-incentive Starbucks card mailer -- 4th list to be mailed this week
- Deanie Dempsey endorsement letter with insert -- April
- Month of the Military Child postcard -- April

2012 SRP In-person Meeting: 10 April 2012 (0730 arrival time – 1630)

- Slides attached: Conceptual Models and Aims, Peek at the Cohort
- Slide review Wednesday morning – time?

2014 Survey update from March 29th meeting:

- See Holmes and Rahe attached document for discussion
- If spouse is divorced at follow-up in 2014 and does not have children with the service member, then consider not continuing with follow-up in 2017.
- For Divorced/Separated version of survey, look for measure of relationship quality for separated individuals with children (co-parenting quality?) to add to survey.
- Basic approach to the D,S,W version of the survey is to NOT modify questions, but rather to skip those that do not apply.

Marketing Initiatives in Progress:

- \$5 P4 pre-incentive for referral ready to submit to IRB for approval
- April Month of the Military Child postcard almost complete
- Sample Family Study survey hard-copy cover/mailer almost finalized
- Family website homepage updates – adding Dempsey endorsements and rotating banners

April 17, 2012



SRP 2014

➤ Recap of items requiring discussion:

Doctor Diagnoses

- SF-12 and prevalent conditions in spouses

Mental Health – Anger

- Revisit child abuse and intimate partner abuse with NHRC IRB

Mental Health – Stress

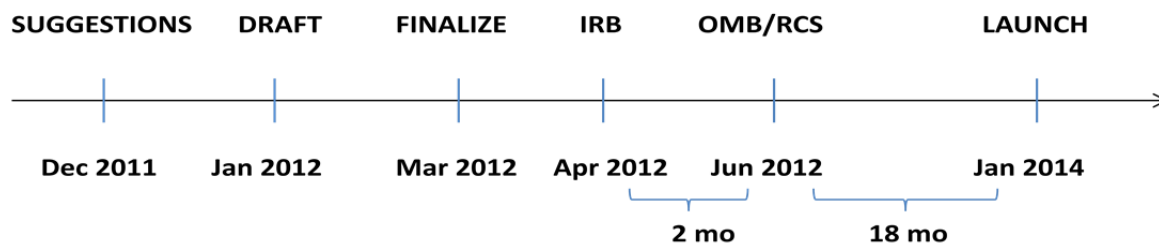
- Ideas for an alternative scale?

Coping Skills – Service Use

- “ever” or “last 12 months”

Life Experiences – Life Stressors & Life Satisfaction

➤ Plan to move forward: Weekly or bi-weekly meetings?



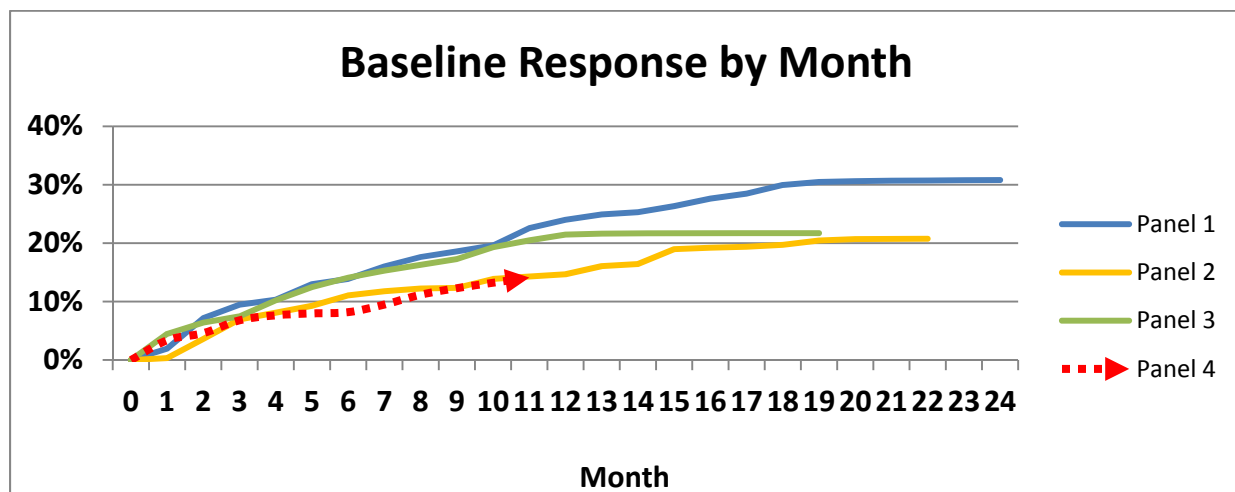
Panel 4 Recent and Upcoming Contact

- Email sent 3 Apr and next will be sent 24 April
- Questionnaire 2 mailed 22-24 Mar
- Newsletter mailed 5-7 April
- GEN Dempsey endorsement letter with insert (married version with Family request) - April

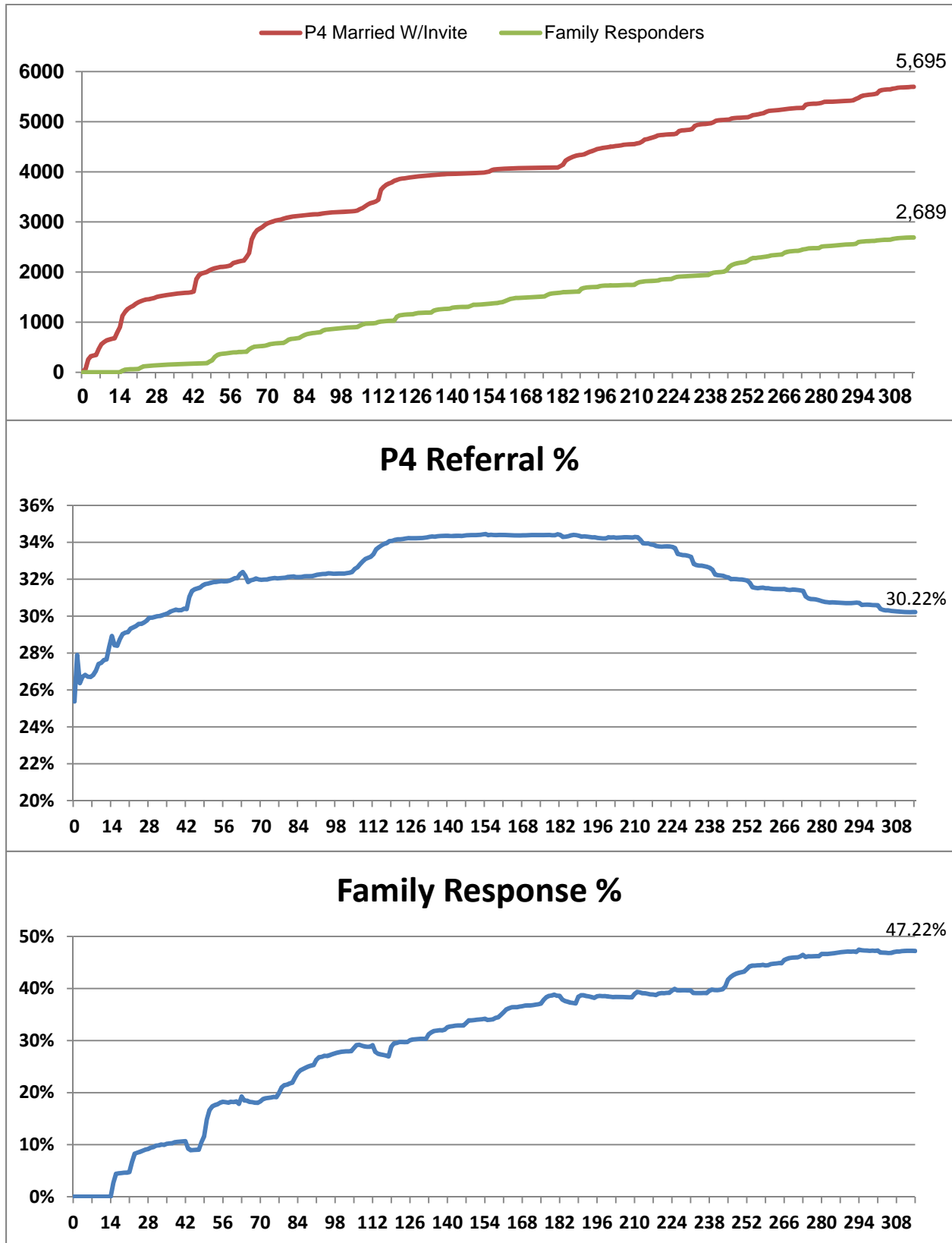
Spouse Contact

- Invitation (N=53) and Reminder (N=3,041) emails sent today
- \$5 Pre-incentive Starbucks card mailer -- 5th list send to Anderson today (N=205)
- Deanie Dempsey endorsement letter with insert -- April
- Month of the Military Child postcard -- April

Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



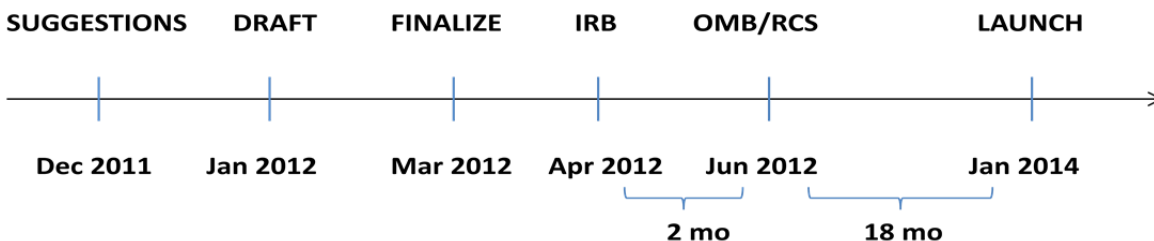
Enrollment and Referral Update:



April 24, 2012

2014 Survey: Submit to IRB by May 1st

➤ **Recap of items requiring discussion:** See attached document



Panel 4 Recent and Upcoming Contact

- Email sent today, 24 April
- Questionnaire 2 mailed 22-24 March
- Newsletter mailed 5-7 April
- GEN Dempsey endorsement letter with insert (married version with Family request) to be mailed early May

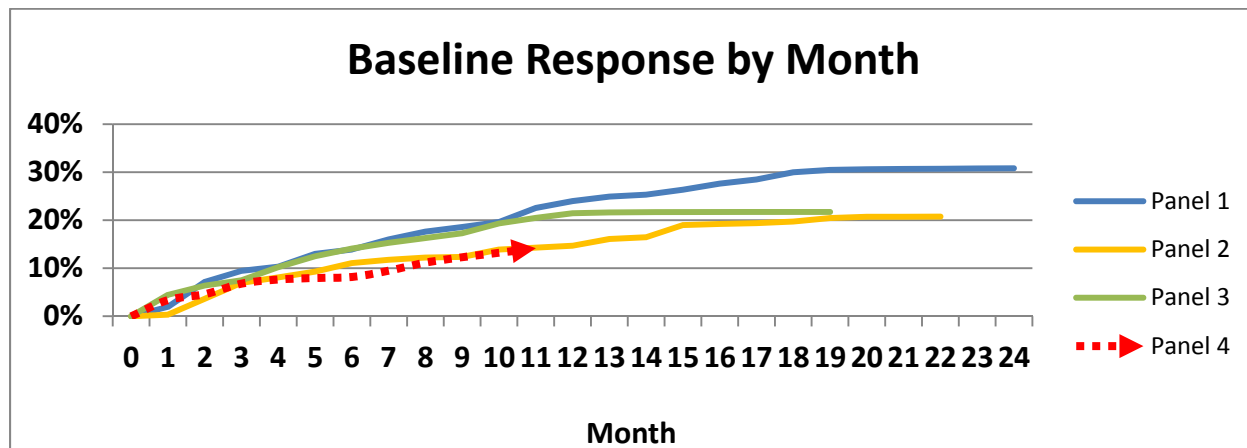
Spouse Contact

- Invitation (N=32) emails sent today
- Month of the Military Child postcard (N=5,549) to be mailed this week
- \$5 Pre-incentive Starbucks card mailer -- 5th list to be mailed this week
- Deanie Dempsey endorsement letter with insert to be mailed early May

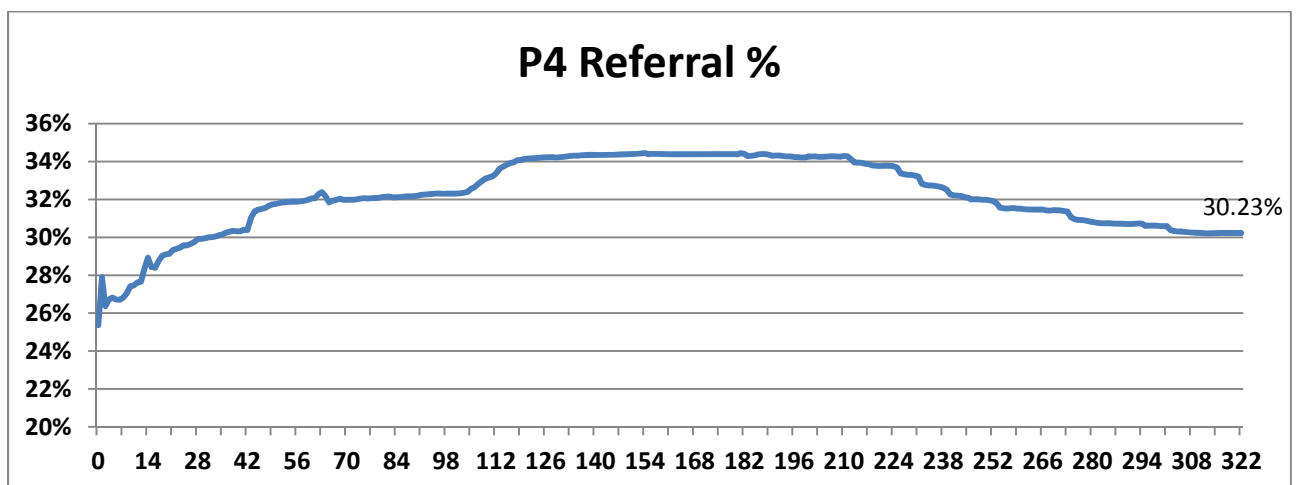
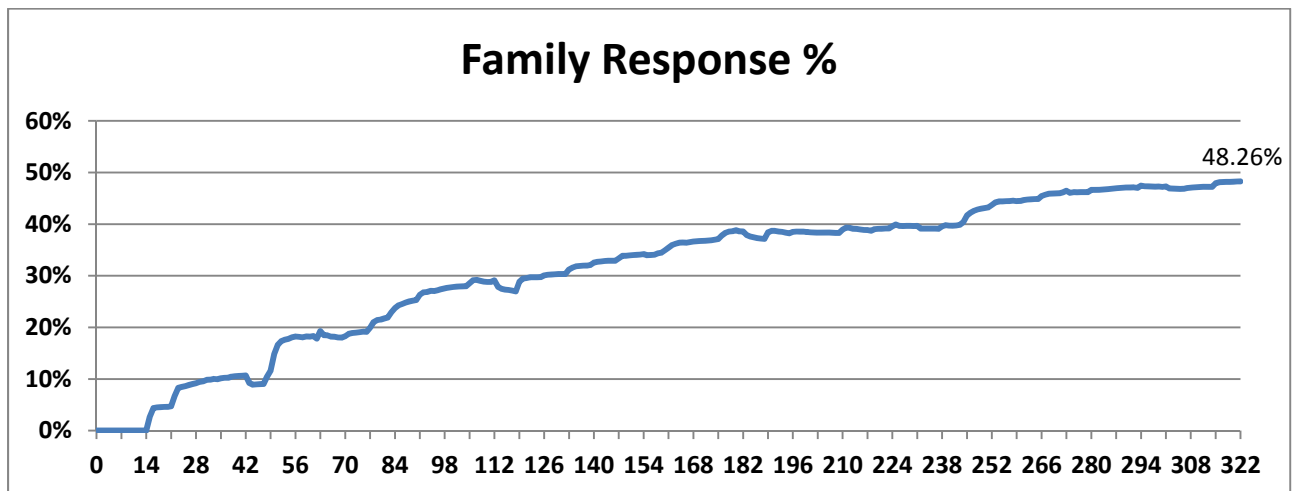
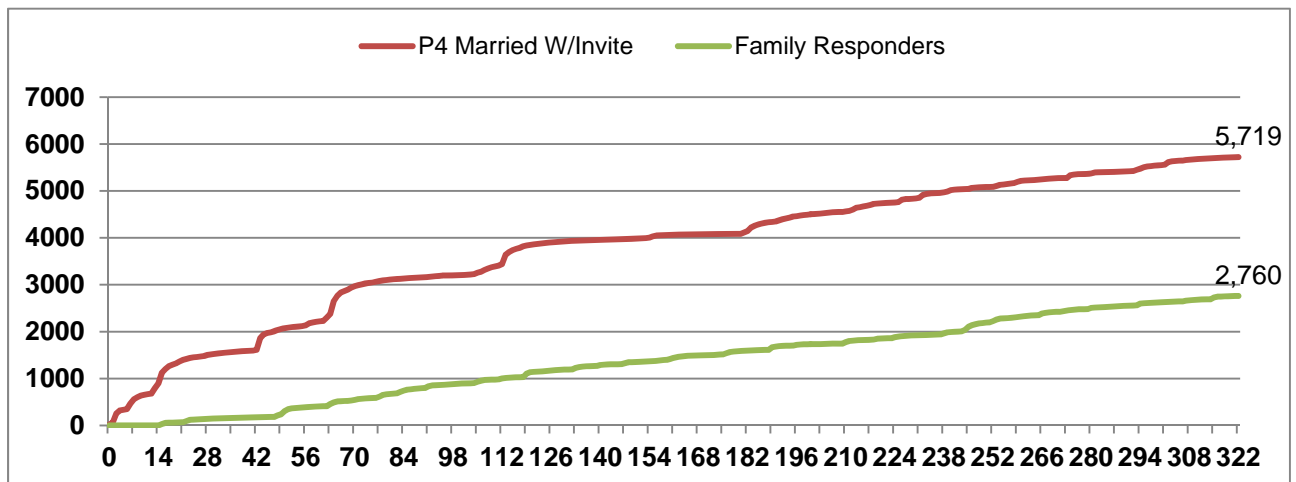
IPR

- 1-2 August at Ft. Detrick

Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Enrollment and Referral Update:





May 29, 2012

Enrollment and Referral Update

Panel 4 Recent and Upcoming Contact

- New Enrollee email #17 (with endorsement link) sent 10 May 2012
- Dempsey endorsement letters mailed 7-9 May
- Memorial Day postcards mailed 22 May and emails sent 25 May
- Pre-referrals with Starbucks card will be sent 11-12 June
 - Email will be sent 19 June

Spouse Contact

- Invitation (N=209) emails and reminder emails (N=2,954) sent today
- Month of the Military Child postcard (N=5,549) mailed 27 April
- \$5 Pre-incentive Starbucks cards mailed every 2 weeks
- Dempsey endorsement letters mailed 7-9 May

2014 Survey

- Team received the surveys last Tuesday – final thoughts or suggestions?

Response/Non-Response Tables

- Team discussion

SRP Report

- Team discussion

Telephone Non-Response Study

- Team is in the process of developing a script

Recent Press

The Millennium Cohort Study was recently a focus of an article in Science with accolades to our study stating, "The most rigorous study on American troops is the U.S. Millennium Cohort study"! In addition, the article quotes our recent work on PTSD.

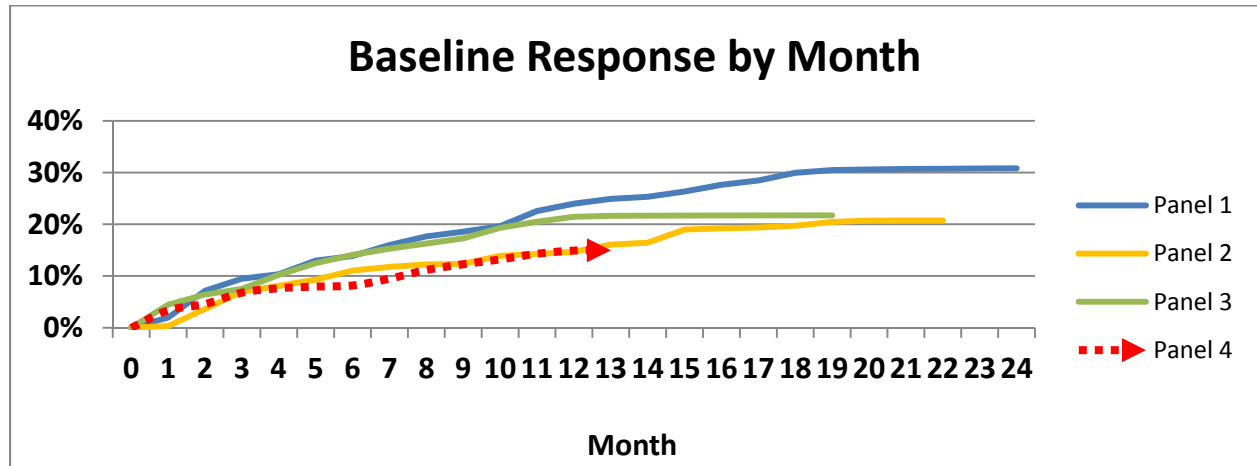
IPR

- 1-2 August at Ft. Detrick

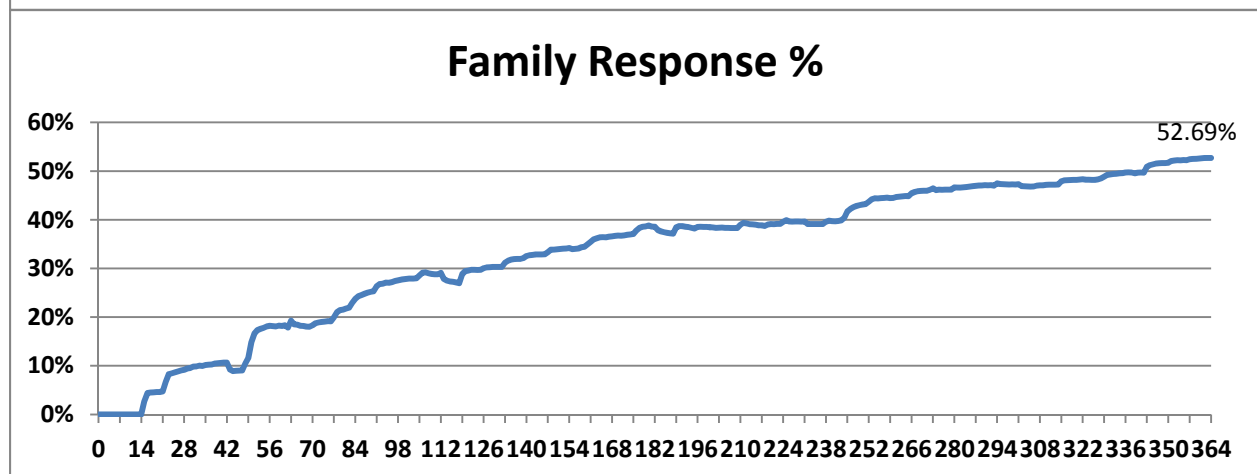
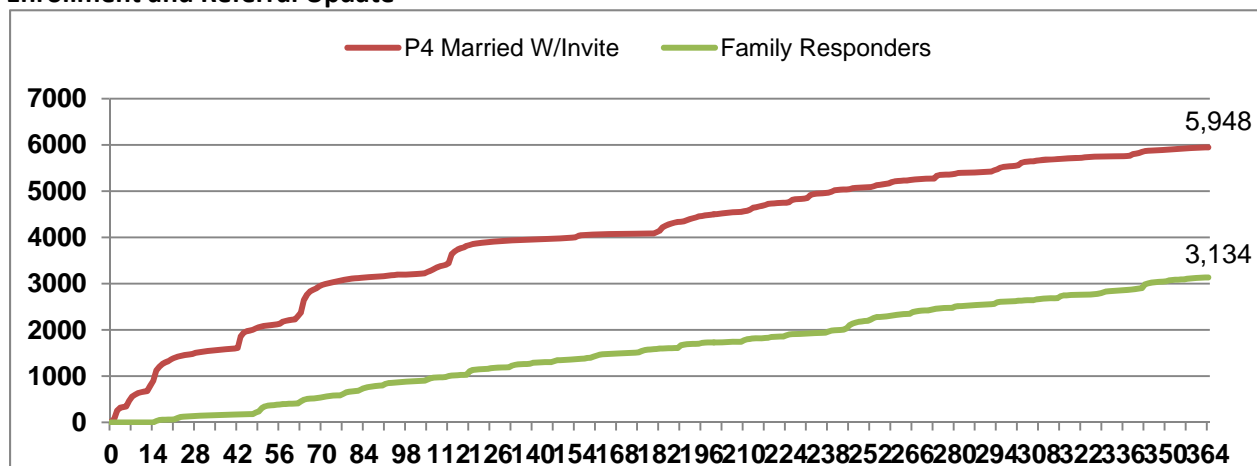
June 5, 2012

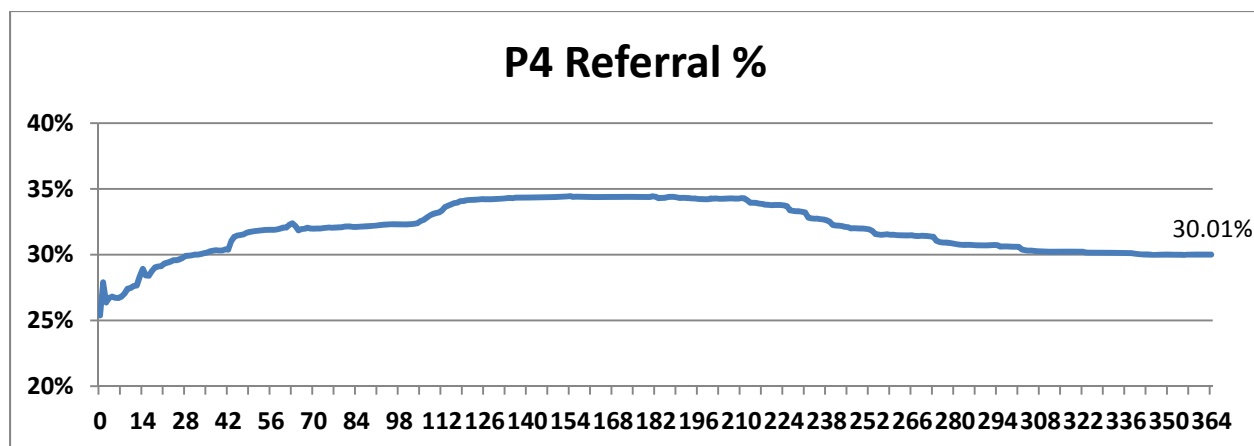


Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Enrollment and Referral Update





Panel 4 Recent and Upcoming Contact

- New Enrollee email #17 (with endorsement link) sent 10 May 2012
- Dempsey endorsement letters mailed 7-9 May
- Memorial Day postcards mailed 22 May and emails sent 25 May
- Pre-referrals with Starbucks card will be sent 11-12 June (N=13,560)
 - Half will receive an additional cover letter with the mailer
 - Email will be sent 19 June

Spouse Contact

- Invitation (N=53) emails and reminder emails (N=3,153)
- Month of the Military Child postcard (N=5,549) mailed 27 April
- \$5 Pre-incentive Starbucks cards mailed every 2 weeks
- Dempsey endorsement letters mailed 7-9 May

New Marketing

- AKO postings
- Press releases approved by NHRC/NMRC PAOs for dissemination

IRB Update

2014 Survey Discussion

- Submit to IRB this week

1. Do we want to ask about reasons for separating from the military?

Have **YOU ever** served in the US military?

Are **YOU currently** serving in the US military?

[for Separated]:

- a. What was the reason for your separation from the military?
 - Planned separation (end of service term)
 - Medical separation
 - Disciplinary separation

- **Unplanned administrative separation (e.g. military downsizing, failure to promote, failure to meet service standards)**

b. **Date of separation:** / (mm/yy)

2. If the spouse reports receiving mental health services, should we ask a follow up question asking about a more recent time frame?

--Were any of these visits in the past 12 months/3 months?

Have you ever received mental health services/counseling from a:

- Mental health professional at a **military facility**
- General medical doctor at a **military facility**
- Military** chaplain
- Mental health professional at a **civilian facility**
- General medical doctor at a **civilian facility**
- Civilian** clergy
- Counseling through Military OneSource
- Family support centers

Response options:

- Never
- Once
- Twice
- Three or more times

3. Do we want to know about marital counseling specifically? Should we ask this in the RELATIONSHIP WITH YOUR SPOUSE section?

Have you and <insert spouse name> ever received marital counseling?

- Never
- Once
- Twice
- Three or more times

4. DSW Follow-Up: Have you remarried?

5. We originally decided to skip the following sections for DSW, but we could still include them if a deployment occurred prior to the separation or divorce.

IF SEPARATED/DIVORCED/WIDOWED:

- **Skip spouse_dep**
- **YOUR SPOUSES DEPLOYMENT**
- **DEPLOYMENT RETURN AND REUNION**
- **YOUR SPOUSE'S BEHAVIOR**

So everyone could be asked:

In the last 3 years, has <insert spouse name> been deployed for **MORE THAN 30 DAYS**?

- No
 - IF NO, SKIP YOUR SPOUSE'S DEPLOYMENT AND DEPLOYMENT RETURN AND REUNION SECTIONS
- Yes
- I don't know

If YES -- Is <insert spouse name> currently deployed?

- No
 - If NO – When did <insert spouse name> return from his/her most recent deployment?
 - Month
 - Year
 - Did <insert spouse name> return prior to your divorce/separation?
 - Yes
 - No
- Yes
 - If YES – When did <insert spouse name> leave for deployment?
 - Month
 - Year
 - Don't know
 - Has <insert spouse name> deployed previously in the last 3 years?
 - Yes
 - No
 - IF NO, SKIP RETURN AND REUNION SECTION
 - If yes, did <insert spouse name> return prior to your divorce/separation?
 - Yes
 - No
 - IF NO, SKIP RETURN AND REUNION SECTION

YOUR SPOUSE'S BEHAVIOR is all in the last MONTH

Response/Non-Response Tables

- Discuss Dr. Dillman's comments

Telephone Non-Response Study

- Team is in the process of developing a script

IPR

- 1-2 August at Ft. Detrick

ATTENDANCE (May 29th):

San Diego

Dr. Nancy Crum-Cianflone
Lt Col Nisara Granado
Isabel Jacobson
Michelle Linfesty
Cynthia LeardMann
Dr. Hope McMaster
Kari Sausedo
Beverly Sheppard

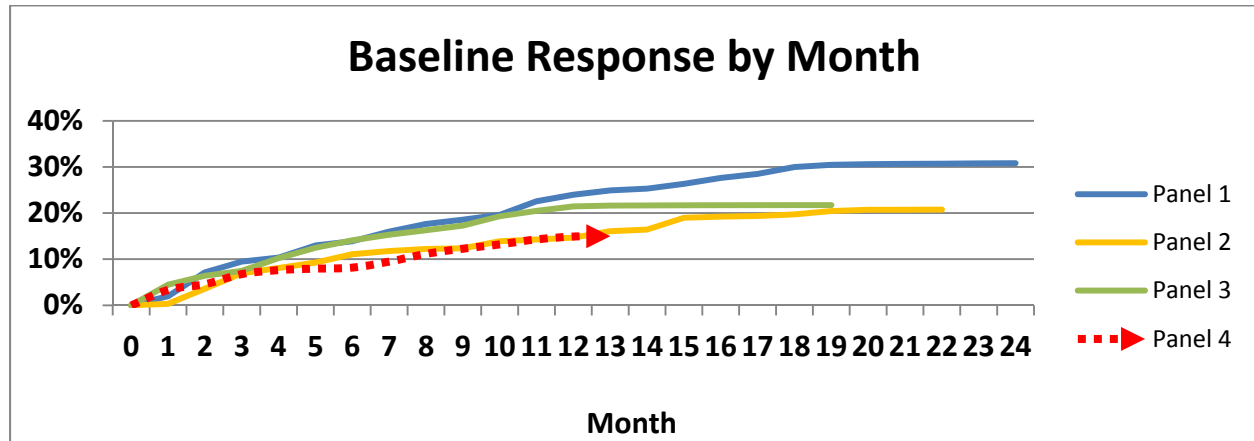
Off-Site

Dr. Ernestine Briggs
Dr. John Fairbank
Dr. Charlie Marmar
Dr. Kate Nassauer
Dr. Bill Schlenger

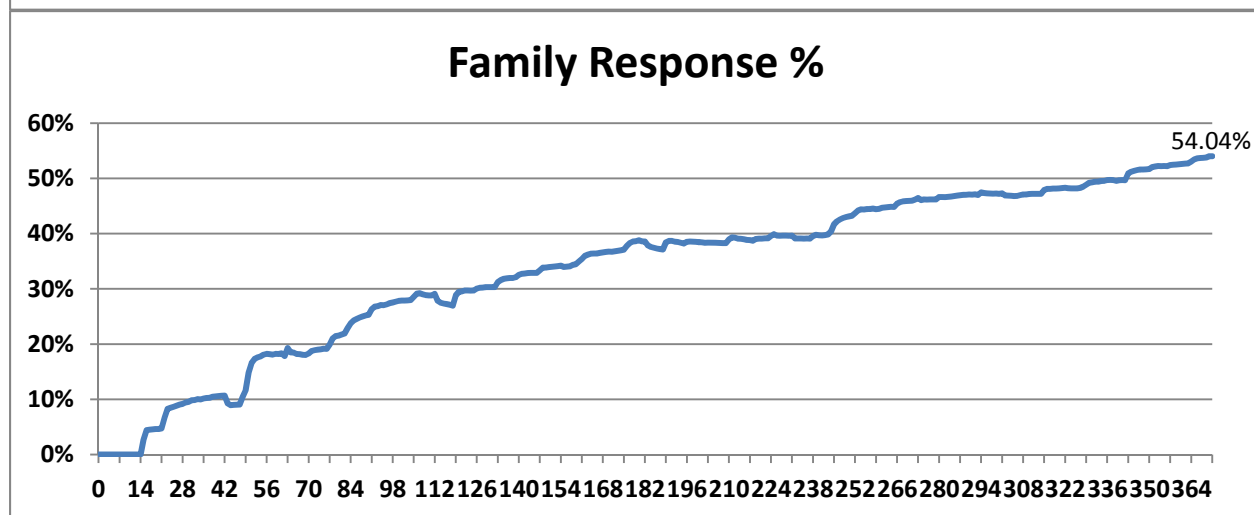
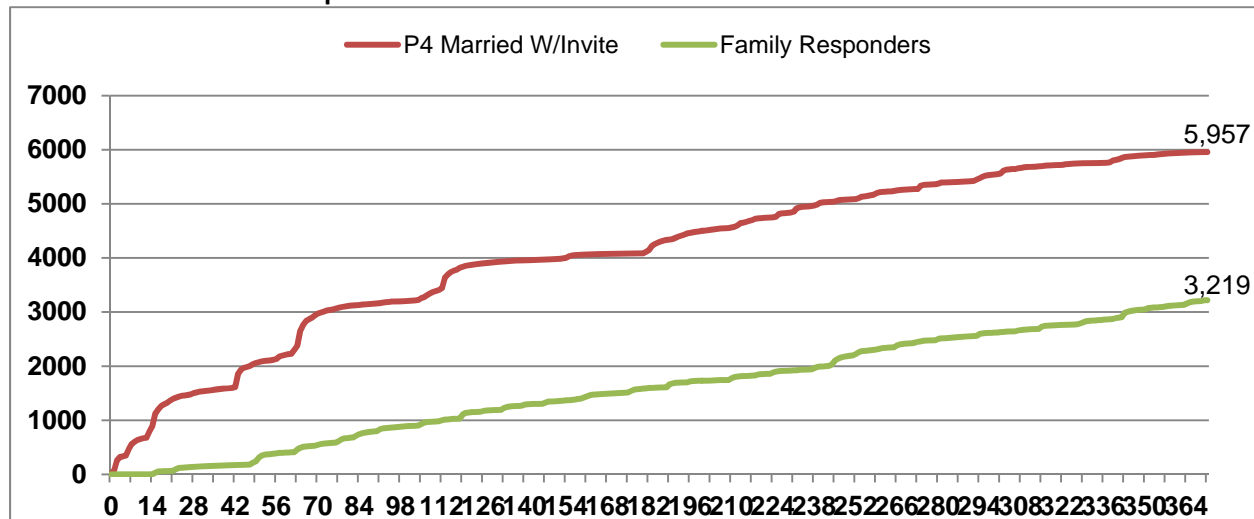
June 12, 2012

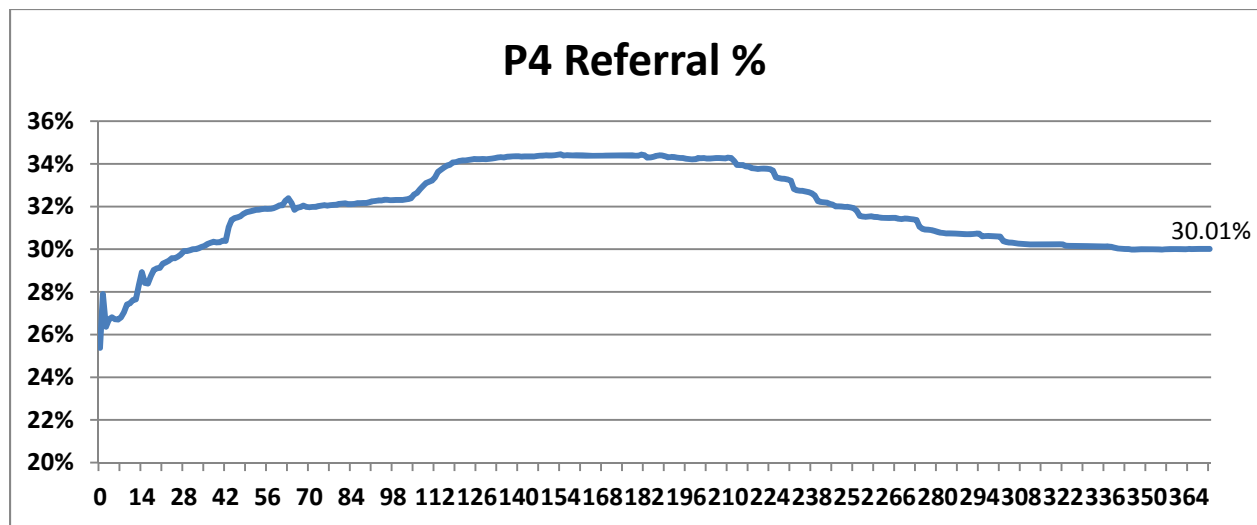


Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Enrollment and Referral Update





Panel 4 Recent and Upcoming Contact

- Dempsey endorsement letters mailed 7-9 May
- Memorial Day postcards mailed 22 May and emails sent 25 May
- Pre-referrals with Starbucks card sent 11-12 June (N=13,560)
 - Half will receive an additional cover letter with the mailer
 - Follow-up email will be sent next Tuesday, 19 June

Spouse Contact

- Invitation (N=23) emails and reminder emails (N=3,121)
- \$5 Pre-incentive Starbucks cards mailed every 2 weeks
- Dempsey endorsement letters mailed 7-9 May

New Marketing

- Discuss Don Dillman's recommendations
- Targeted emails to male spouses
- AKO postings
- Press releases approved by NHRC/NMRC PAOs for dissemination

LexisNexis

2014 Survey Discussion

- Submit to IRB last week!

Final Changes to Note...

Marital Status

What is your current marital status with your SPONSOR [<insert spouse name>?](#)

~~* SPONSOR refers to the military service member who is a member of the Millennium Cohort Study and has named you as his/her spouse. Regardless of your current marital status with this sponsor, the term "your sponsor" will be referred to as "your spouse" throughout the rest of this survey.~~

- Now married
- Separated

- Divorced
- Widowed
- Single, never married

DSW version:

Are you remarried?

a. Date remarried : / (mm/yy)

Child number and age –

Background section

Do you have children with <insert spouse name> or from prior relationship(s)?

* Please include any biological or adopted children.

- No
- Yes

How many children do you have with <insert spouse name> or from prior relationships?

* Please include any biological or adopted children.

- 1-10

How many children currently live in your household?

* Please include any biological, adopted, or foster children that are 21 years old or younger, if they live and sleep in your household the majority of the time.

- 1-10

Family Section (for answering the individual questions)

Please select the ~~ages date of birth~~ for **each of your children** with <insert spouse name> or prior relationships. ~~that are currently living in your household. Mark only one age for each child.~~

* Please include any biological or adopted children.

~~Child's Age in Years (Each child, age less than 1 – 18 or older)~~

Child 1-10

- Month
- Day
- Year

Separated/Divorced:

What percent of the time does this child typically live with you?

Response Options (Child 1-10)

- 0% (skip individual CHILD QUESTIONS for this child)
- 25%
- 50%
- 75%
- 100%

Pain Meds:

painmeds

In the last 12 months, did you use prescription-strength pain relievers (e.g. codeine, OxyContin, Percocet)?

- Never
- Once a month
- Few days per month
- Few days per week
- Daily

Marital Counseling

Version 1 (Original)

Have you and <insert spouse name> ever received marital counseling?

- Never
- Once
- Twice
- Three or more time

Version 2 Shelley MacDermid suggestion (admittedly not perfect)

Have you and your spouse ever received one or more sessions of marital counseling within a six month period?

- No
- Yes, once
- Yes, twice. (There have been two six month periods)
- Yes, three or more

Version 3

Have you and <insert spouse name> ever received marital counseling?

- Yes
- No

IF YES-----

Marital counseling typically involves several sessions over a short time frame (in other words, a “block” of sessions). How many “blocks” of marital counseling have you received?

- 1
- 2
- 3
- 4 or more

Version 4

Have you and <insert spouse name> ever received marital counseling?

- No
- Yes, 1 or 2 sessions
- Yes, one group of sessions (e.g., several sessions over a short time frame)
- Yes, two separate groups of sessions
- Yes, three or more separate groups of sessions

Shelley's response to version 4: Do you care about interval? Since 911? Since first deployed?

Military Pride

mlife_pride (original)

How much pride do you feel in being a military spouse and/or family?

- None
- A little bit
- Moderate
- Quite a bit
- Extreme

mlife_pride

*****DOD 2008 Survey of Active Duty Spouses*****

Please indicate how you feel about each statement:

- I am proud to tell others that I am married to a Service member.
- Generally, on a day-to-day basis, I am proud to be a military spouse.

Response Options:

- Very strongly disagree
- Strongly disagree
- Mildly disagree
- Neutral
- Mildly agree
- Strongly agree
- Very strongly agree

Child Weight

child_weight

Are you concerned that your child is overweight?

Child 1-10

- No
- Yes

Added Obesity to health dx list

ATTENDANCE (June 5th):

San Diego

~~Dr. Nancy Crum-Cianflone~~

Lt Col Nisara Granado

Isabel Jacobson

Michelle Linfesty

Cynthia LeardMann

Dr. Hope McMaster

Kari Sausedo

Beverly Sheppard

Amber Seelig

Off-Site

~~Dr. Ernestine Briggs~~

Dr. John Fairbank

Dr. Charlie Marmar

~~Dr. Kate Nassauer~~

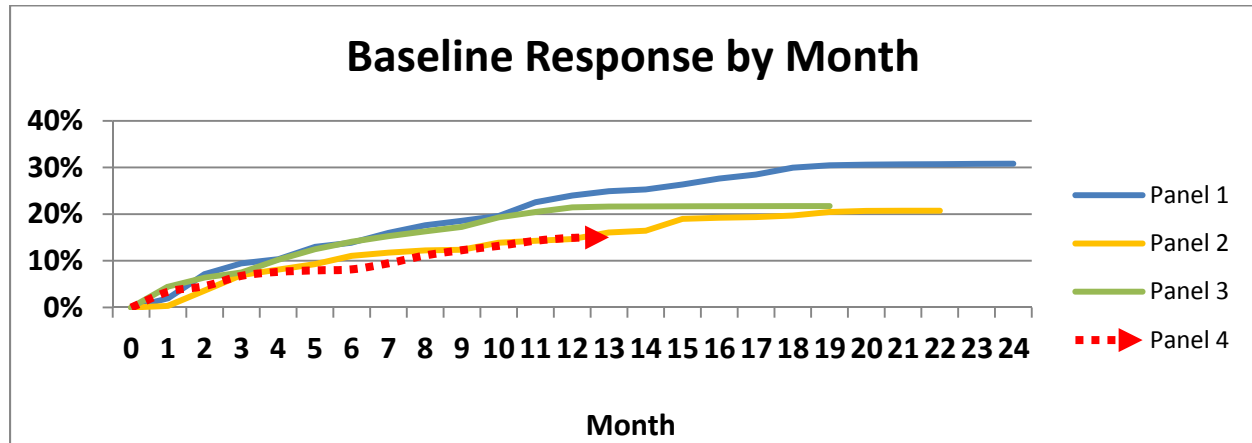
Dr. Bill Schlenger

Robert Lee

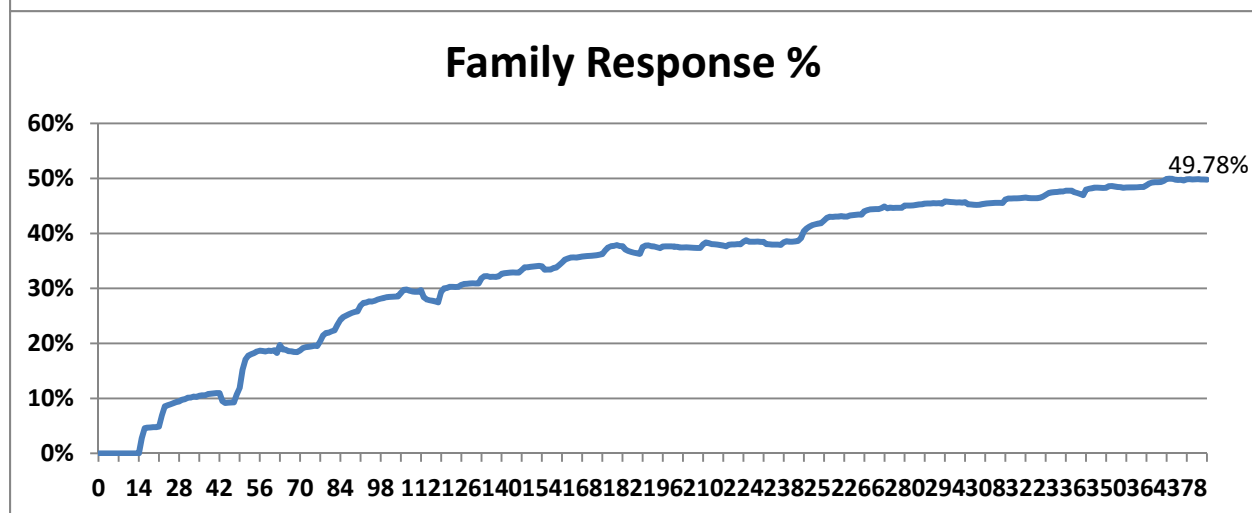
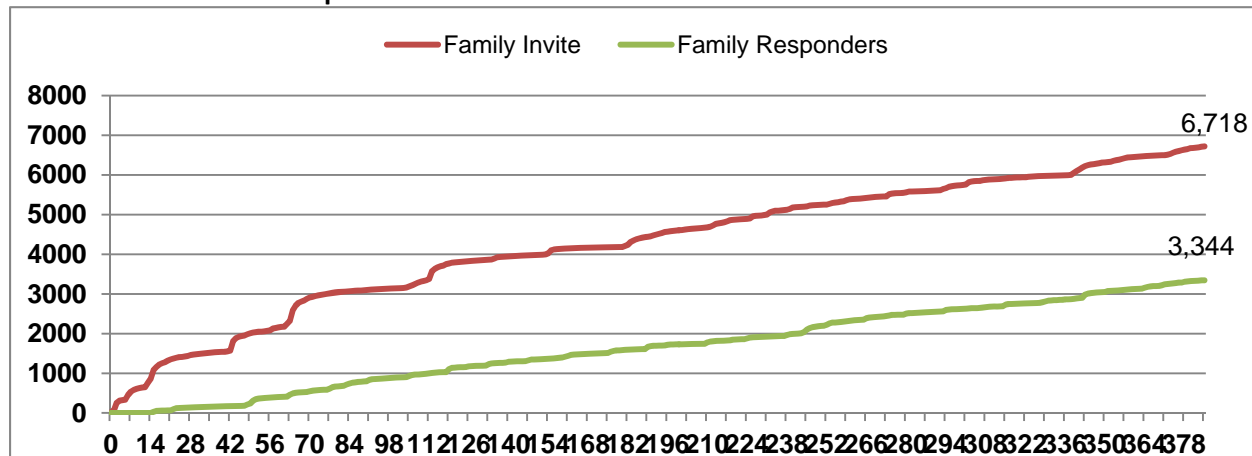
June 26, 2012

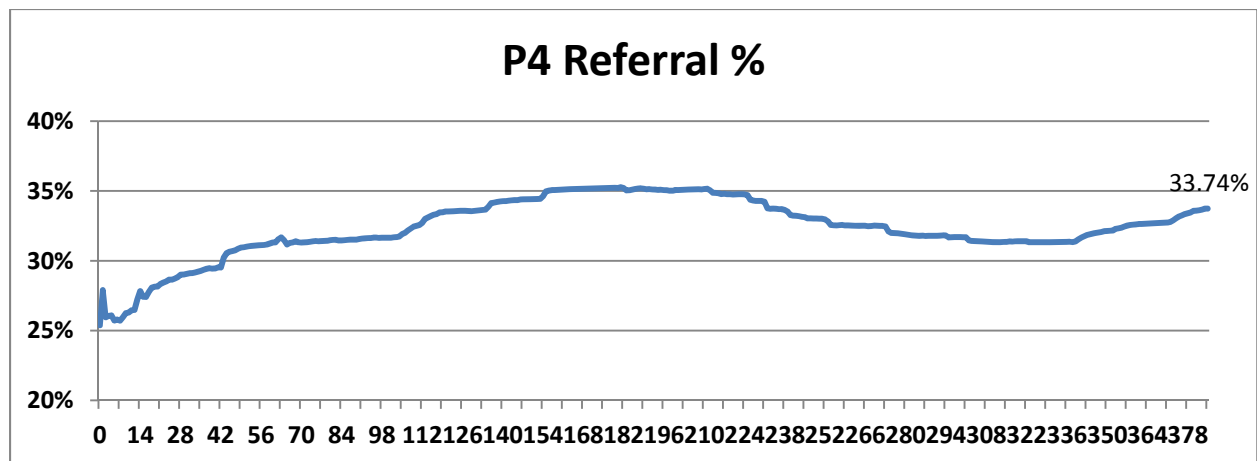


Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Enrollment and Referral Update





Panel 4 Recent and Upcoming Contact

- Pre-referrals with Starbucks card sent 11-12 June (N=13,560)
 - Half received an additional cover letter with the mailer
 - Follow-up email will be sent once we receive IRB approval

Spouse Contact

- Invitation (N=89) emails and reminder emails (N=3,149)
- \$5 Pre-incentive Starbucks cards mailed every 2 weeks; most recently sent today (N=99)

New Marketing

- AKO announcements submitted, but not yet posted
- Press releases approved by NHRC/NMRC PAOs for dissemination

Equifax

- Point of contact determined; it seems they will be able to provide SSN-linked email and mailing addresses. We should receive a quote soon.

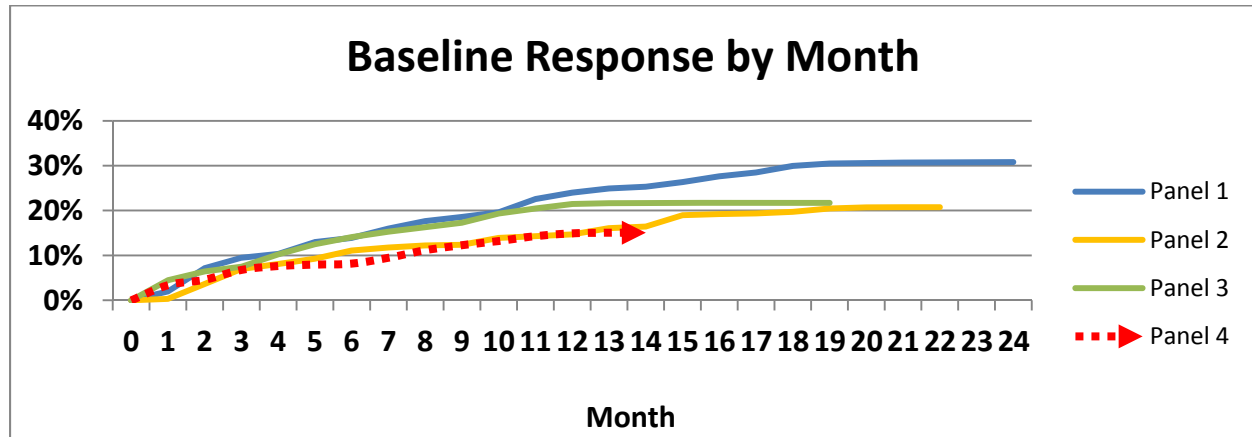
Non-response Telephone Survey

- Comments have been received from PI's and Don Dillman, and the survey document has been edited accordingly.
- A pre-letter and post-email is currently being drafted.
- Note: spouses will receive an email, a postal letter, and a card with a \$5 Starbucks gift card (all 3) prior to receiving the phone survey call.

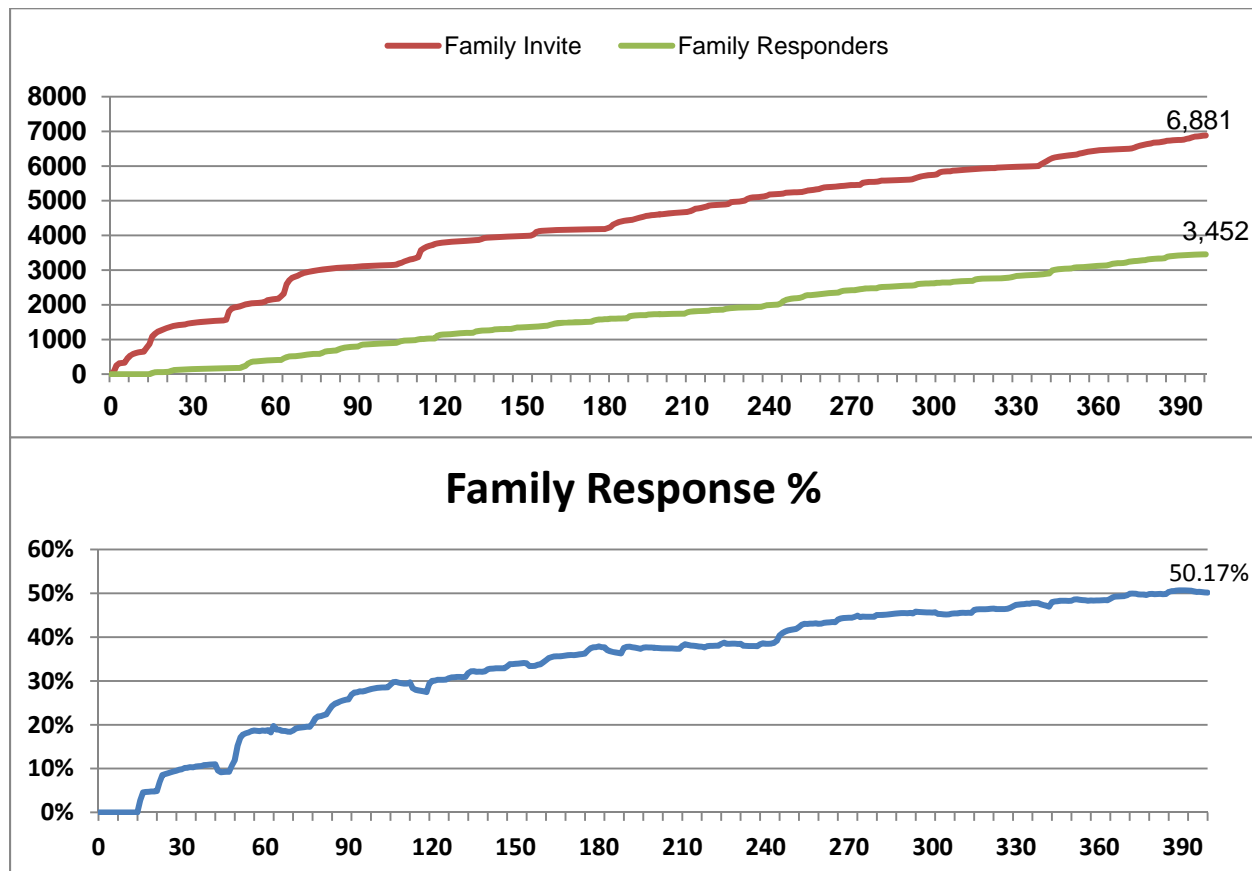
July 10, 2012

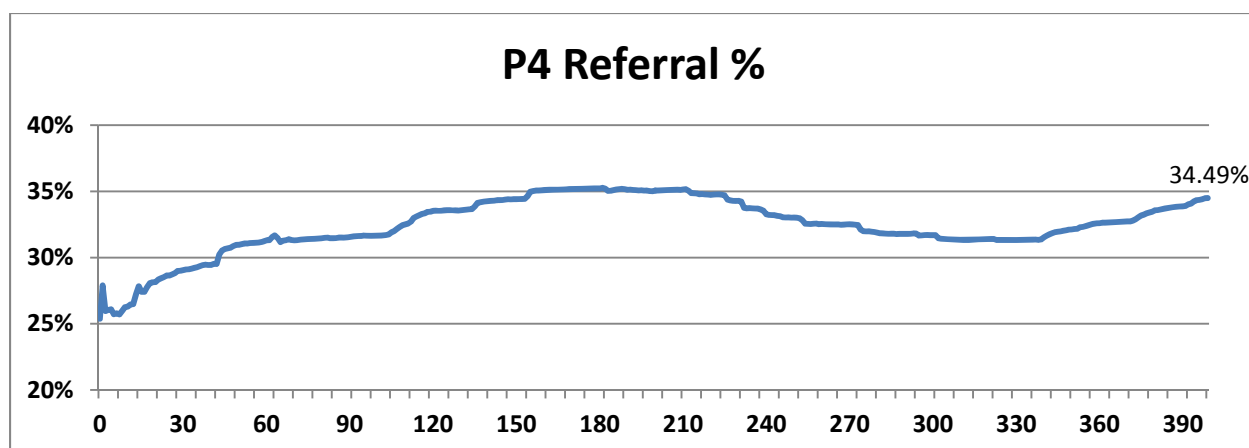


Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Enrollment and Referral Update





Panel 4 Recent and Upcoming Contact

- Pre-referrals with Starbucks card sent 11-12 June (N=13,560)
 - Half received an additional cover letter with the mailer.
 - Current impact of cover letter:
 - No Cover Letter N = 207
 - Add Cover Letter N = 196
 - Follow-up email sent 3 July

Spouse Contact

- 117 Invitations sent today; 3,170 reminder emails sent today
- \$5 Pre-incentive Starbucks cards mailed every 2 weeks; most recently sent (N=80)

2014 Survey: We received IRB approval of the surveys – including asking for DOB of children and additional individual level child questions!

The Federal Register notice has been submitted, and we will be notified when the 60-day wait period begins. After the 60-day period we can submit the 83-I Form and 83-I Supporting Document for OMB approval.

Spouse Contact without Referral

- Equifax does not provide a service to attain email addresses
- DEERS update
- Paper survey
- Dillman NHRC visit 25-27 July

Non-response Telephone Survey

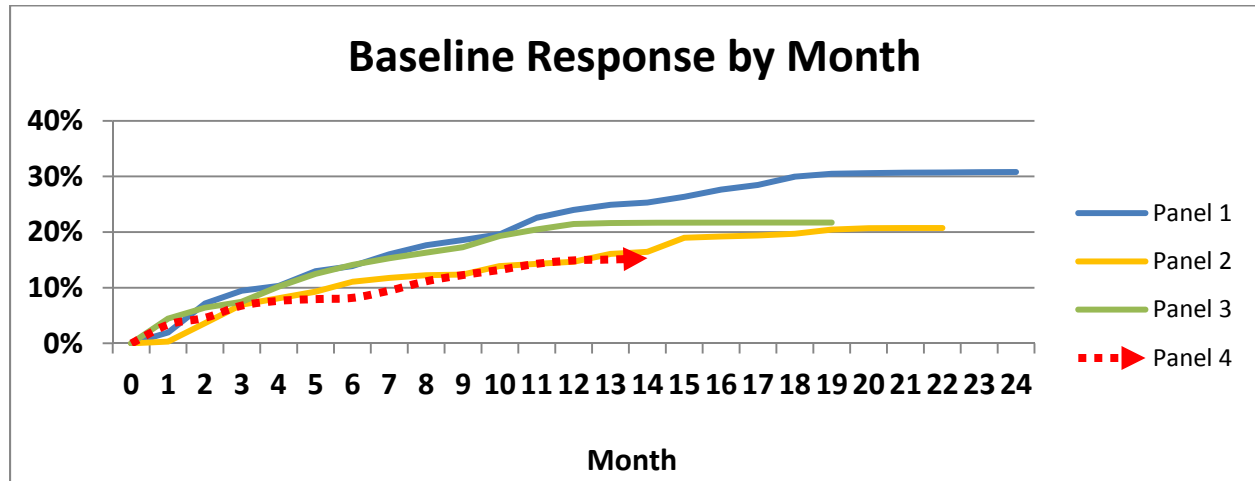
- The pre-letter, post-email, and non response survey was submitted to IRB last Friday
- Note: spouses will receive an email, a postal letter, and a card with a \$5 Starbucks gift card (all 3) prior to receiving the phone survey call.

IPR 1-2 August

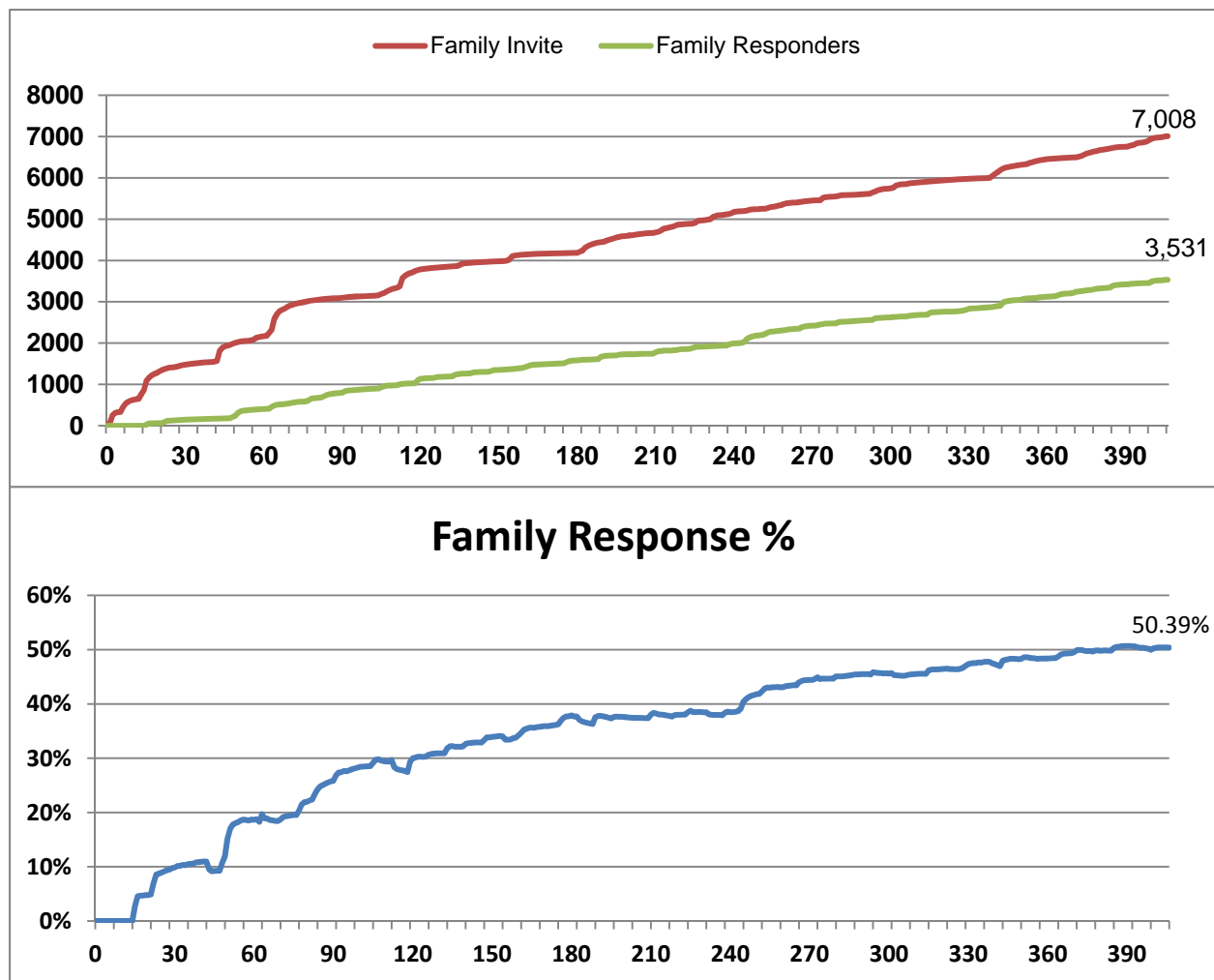
July 17, 2012

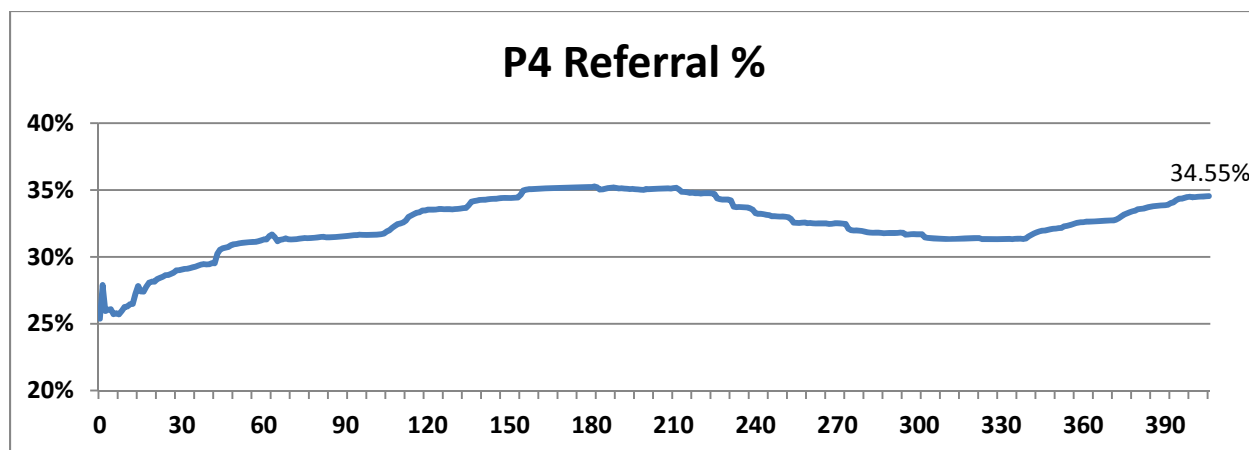


Panels 1-3 baseline enrollment (2001, 2004, 2007) by month



Enrollment and Referral Update





Panel 4 Recent and Upcoming Contact

- Pre-referrals with Starbucks card sent 11-12 June (N=13,560)
 - Half received an additional cover letter with the mailer.
 - Current impact of cover letter:
 - No Cover Letter N = 207
 - Add Cover Letter N = 196
 - Follow-up email sent 3 July

Spouse Contact

- 126 Invitations sent today
- \$5 Pre-incentive Starbucks cards mailed every 2 weeks

Newly Proposed Mailing Procedure

Group A: Push to the Web (starts this month)

Mailing 1 - Magnet Picture Frame and Card Mailer

Mailing 2 - Postcard reminder

Mailing 3 - Sample Survey with \$5 card

Mailing 4 - Letter reminder sent FedEx or priority etc

Mailing 5 - Paper Survey

Mailing 6 - Postcard reminder

Group B: Push to the Paper (will start when we get mechanisms in place)

Mailing 1 - Paper Survey with Magnet Picture Frame Included

Mailing 2 - Postcard reminder

Mailing 3 - Paper Survey with \$5 card

Mailing 4 - Letter reminder sent FedEx or priority etc

Mailing 5 - Paper Survey

Mailing 6 - Postcard reminder

Upcoming Meetings

Dillman NHRC visit 25-27 July

IPR 1-2 August



Panel 4 Recent and Upcoming Contact

- Pre-referrals with Starbucks card sent 11-12 June
 - Follow-up email sent 3 July

Spouse Contact

- Invitation and reminder emails will be sent today
- \$5 Pre-incentive Starbucks cards mailed every 2 weeks

Non-referred Spouses:

The total N for the Spouse Contact without Referral will be approximately 10,000, rather than the 13,500 we originally estimated. The 13,500 included P4 members that specifically said “No” on the permission to contact their spouse form.

So, Group A and B will each have N=2,500, and we will keep 5,000 on reserve, as discussed during the team meeting last week.

Referred spouses that will continue to roll in plan

As discussed last week, these spouses will be filtered into Group A for now.

Newly Proposed Mailing Procedure

Group A: Push to the Web (starts August 2nd – mid-Oct.)

- Mailing 1 - Magnet Picture Frame and Card Mailer (week 1)
- Mailing 2 - Postcard reminder (week 2)
- Mailing 3 - Sample Survey with \$5 card (week 5)
- Mailing 4 - Letter reminder (week 6)
- Mailing 5 - Paper Survey sent FedEx or priority (week 9)
- Mailing 6 - Postcard reminder (week 10)

Group B: Push to the Paper (aim to launch mid-Sept. – end of Nov.)

- Mailing 1 - Paper Survey with Magnet Picture Frame Included (week 1)
- Mailing 2 - Postcard reminder (week 2)
- Mailing 3 - Paper Survey with \$5 card (week 5)
- Mailing 4 - Letter reminder (week 6)
- Mailing 5 - Paper Survey sent FedEx or priority (week 9)
- Mailing 6 - Postcard reminder (week 10)

Question to the team...

We budgeted for the Deanie Dempsey letter to be sent to non-referred spouses; however, this is not currently included in any of the mailings in the plan above. Do we want to include the letter with any of these mailings or does the team prefer to use money for another area of the newly planned initiative?

Non-response Study

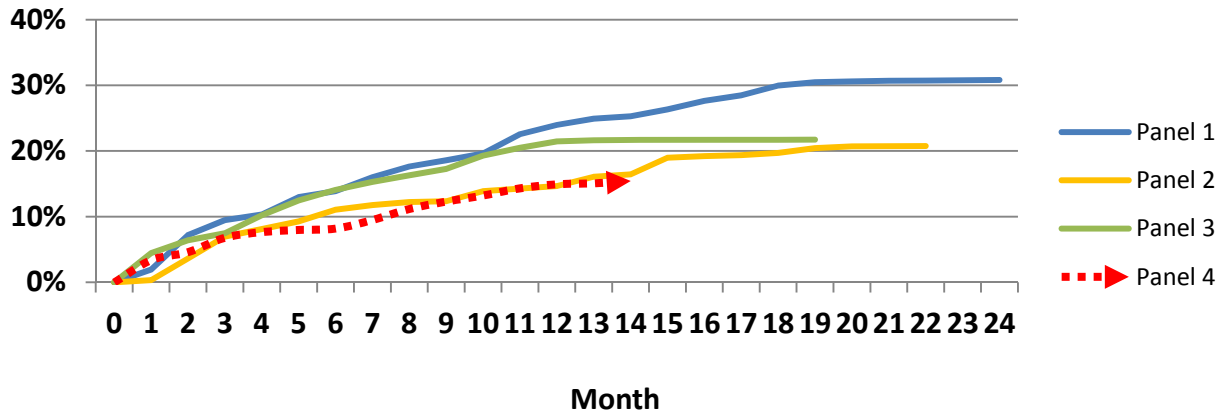
NHRC's IRB did not approve the request to conduct a Non-response Study.

Upcoming Meetings

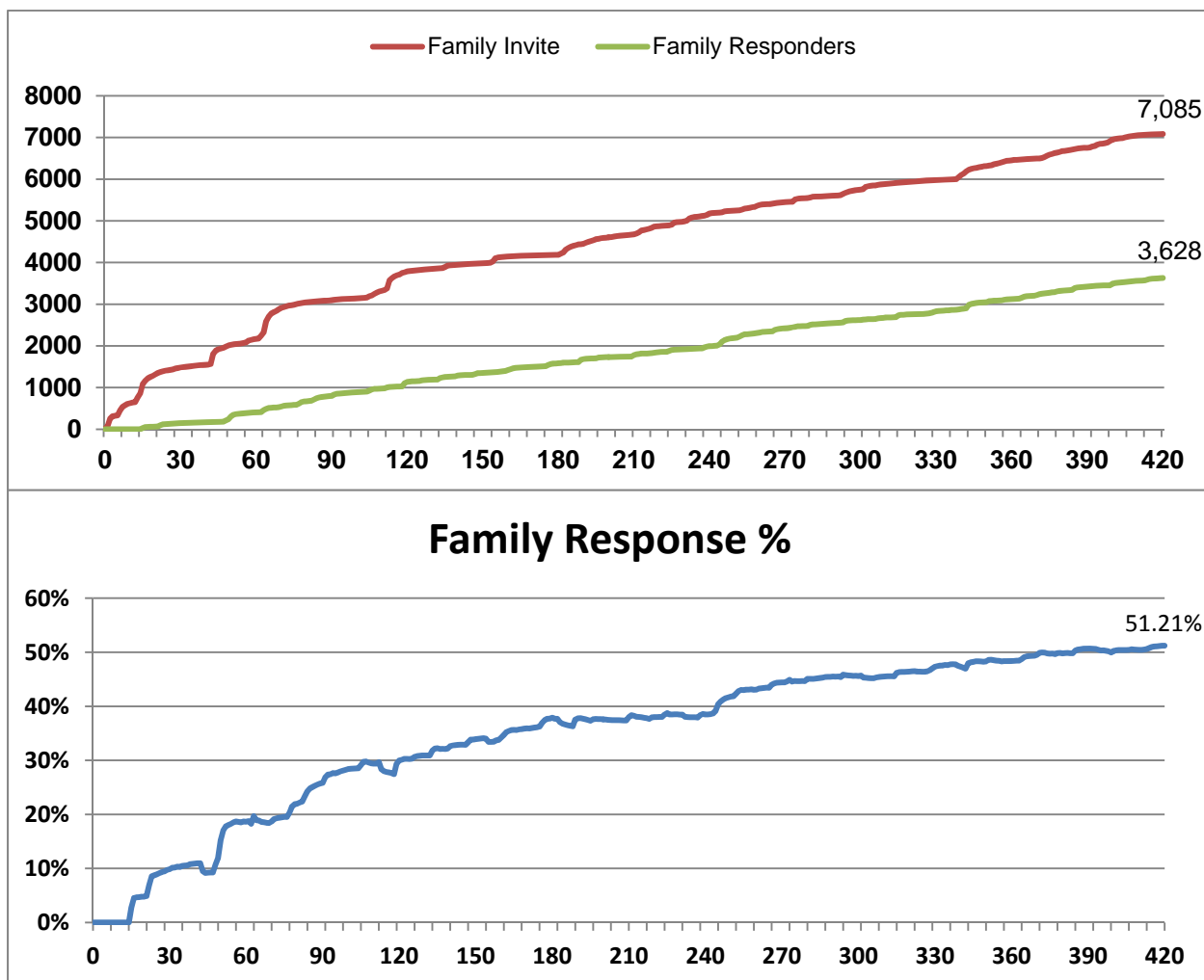
Dillman NHRC visit 25-26 July
IPR 1-2 August

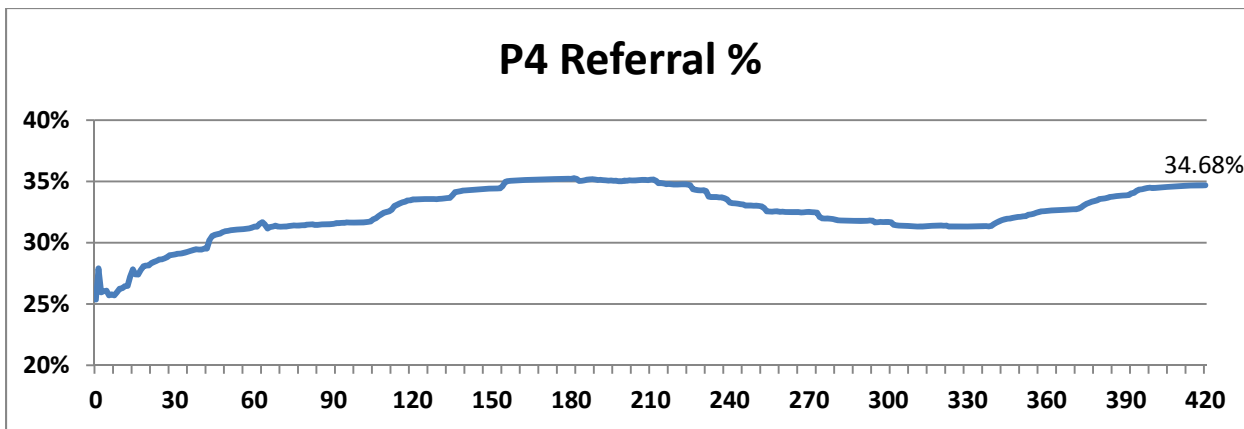
Panels 1-3 baseline enrollment (2001, 2004, 2007) by month

Baseline Response by Month



Enrollment and Referral Update





Spouse Contact

- Invitation emails sent today (N=16)

A few of the upcoming mailings (Group A)

- M1 Magnet Mailer will be mailed this Thursday, 2 August (N=5,672)
- M2 Postcard Reminder will be mailed on 9 August
- M3 Sample Survey will be mailed on 30 August
- M4 Deanie Dempsey endorsement letter in card will be mailed on 6 September

Mailing Procedure

Group A: Push to the Web (starts August 2nd – mid-Oct.)

- M1 - Magnet Picture Frame and Card Mailer (week 1)
- M2 - Postcard reminder (week 2)
- M3 - Sample Survey with \$5 card (week 5)
- M4 - Letter reminder (week 6)
- M5 - Paper Survey sent FedEx (week 9)
- M6 - Postcard reminder (week 10)

Group B: Push to the Paper (aim to launch mid-Sept. – end of Nov.)

- M7 - Paper Survey with Magnet Picture Frame Included (week 1)
- M8 - Postcard reminder (week 2)
- M9 - Paper Survey with \$5 card (week 5)
- M10 - Letter reminder (week 6)
- M11 - Paper Survey sent FedEx (week 9)
- M12 - Postcard reminder (week 10)

Upcoming Meetings

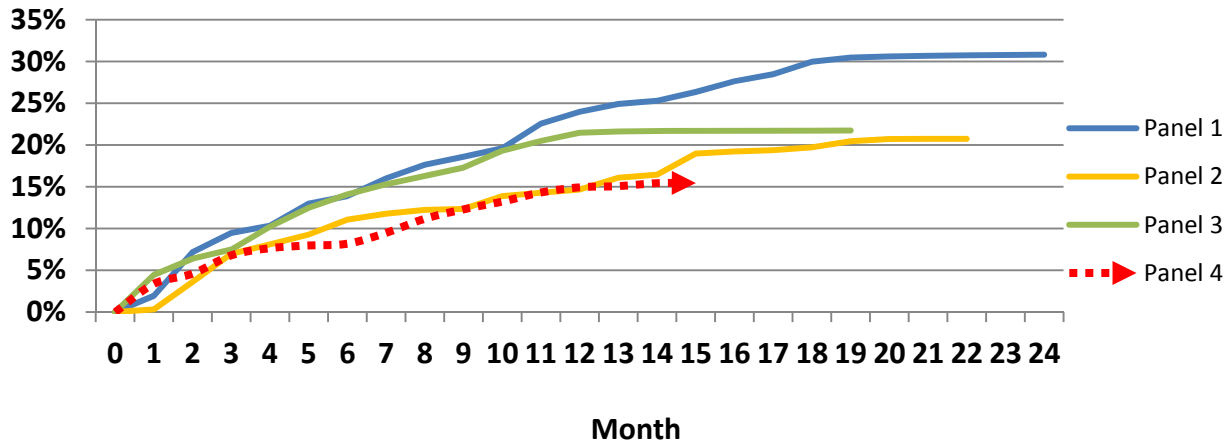
Dillman visited NHRC last week, 25-26 July

The visit with Dr. Dillman was very productive. Dr. Dillman helped lay out a plan for moving forward with creating the paper survey, as well as the various other marketing items listed above.

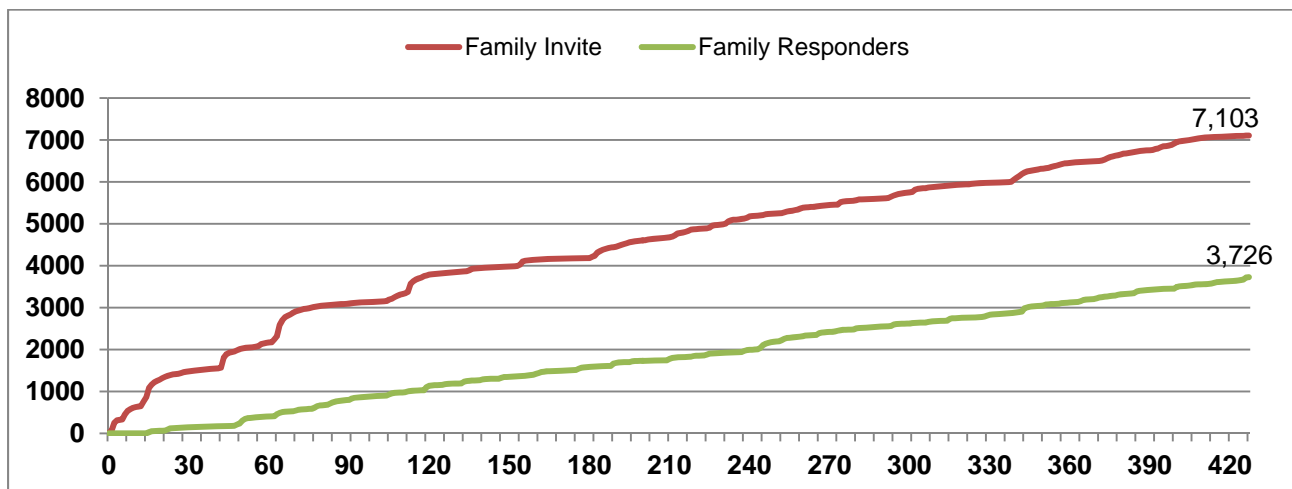
IPR, 1-2 August

Panels 1-3 baseline enrollment (2001, 2004, 2007) by month

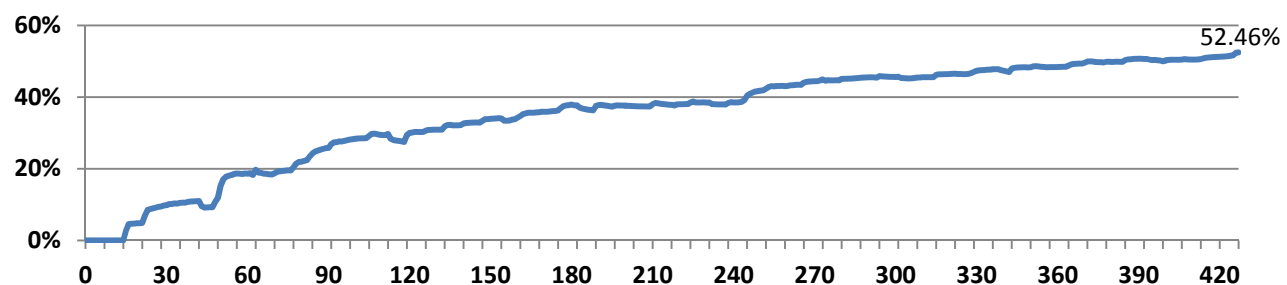
Baseline Response by Month

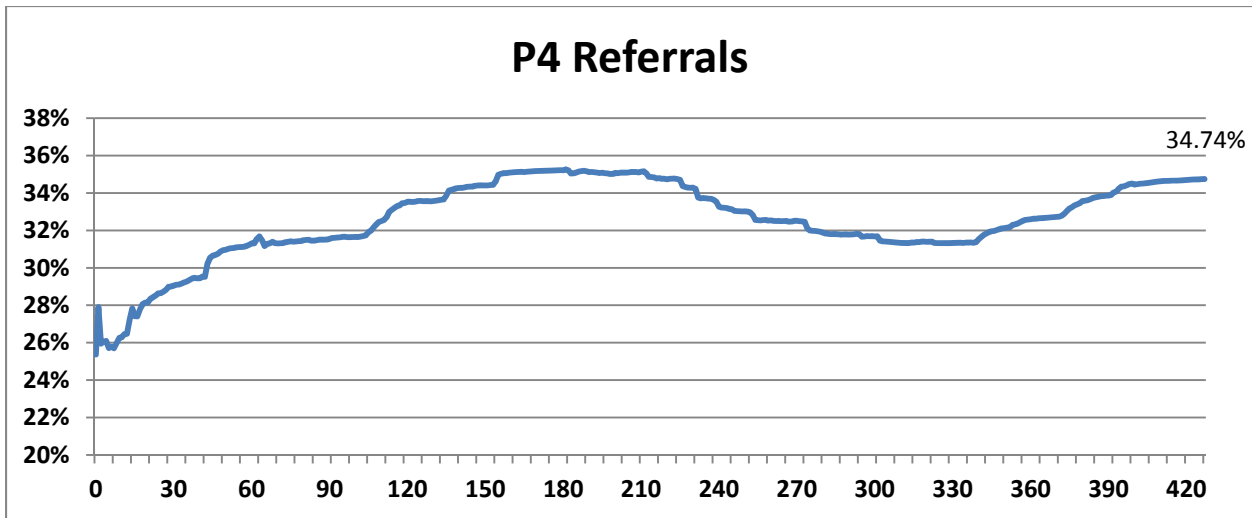


Enrollment and Referral Update



Spouses with Invite-Response Rate (email augmented)





Spouse Contact

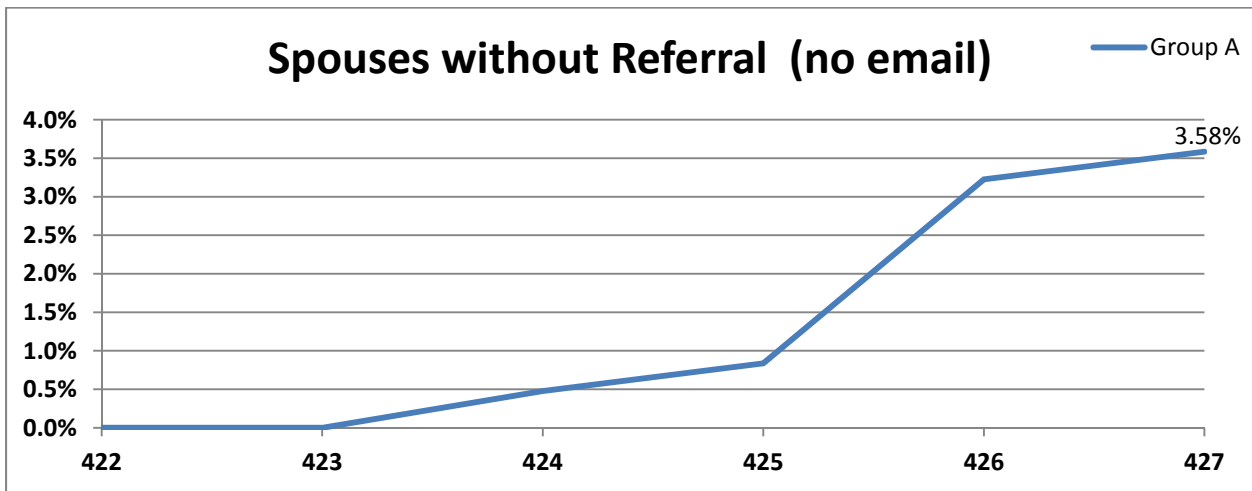
- Reminder emails N = 3141

A few of the recent and upcoming mailings (Group A)...

- M1 Magnet Mailer mailed Thursday, 2 August (N=5,672)
- M2 Postcard Reminder will be mailed on 9 August
- M3 Sample Survey will be mailed on 30 August
- M4 Deanie Dempsey endorsement letter in card will be mailed on 6 September

Anderson Contract

- Will discuss mail schedule and deadlines



Experimental Group A: N = 2478; Response Rate - $90/2478 = 3.63\%$

Mailing Procedure

Group A: Push to the Web (August 2nd – mid-Oct.)

- A1 - Magnet Picture Frame and Card Mailer (week 1)
- A2 - Postcard reminder (week 2)
- A3 - Sample Survey with \$5 card (week 5)
- A4 - Letter reminder (week 6)
- A5 - Paper Survey sent FedEx (week 9)
- A6 - Postcard reminder (week 10)

Group B: Push to the Paper (~ mid-Sept. – ~ Nov.)

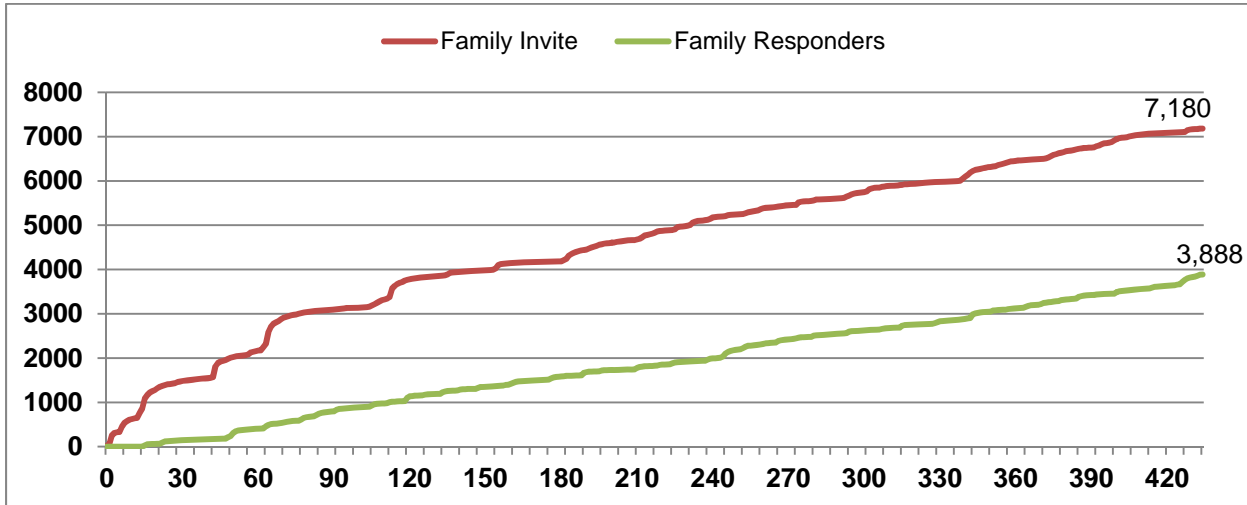
- B1 - Paper Survey with Magnet Picture Frame (week 1)
- B2 - Postcard reminder (week 2)
- B3 - Paper Survey with \$5 card (week 5)
- B4 - Letter reminder (week 6)
- B5 - Paper Survey sent FedEx (week 9)
- B6 - Postcard reminder (week 10)

August 14, 2012

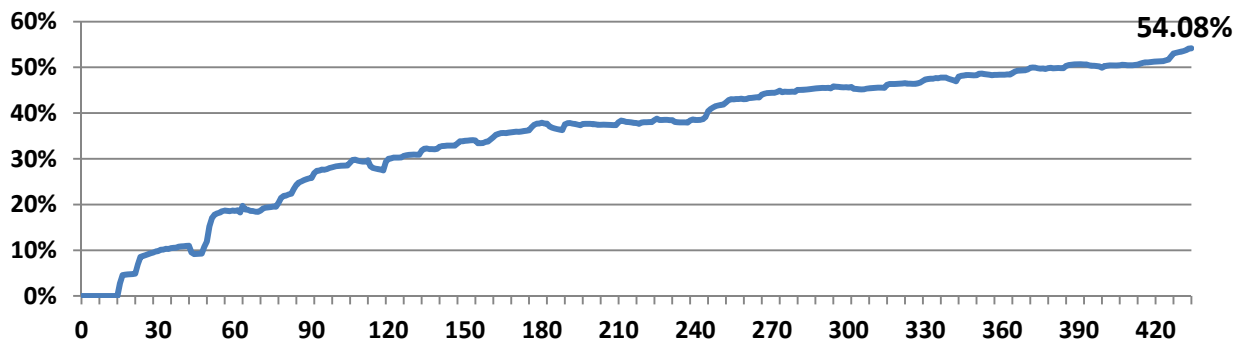


P4 response rate: ~16%

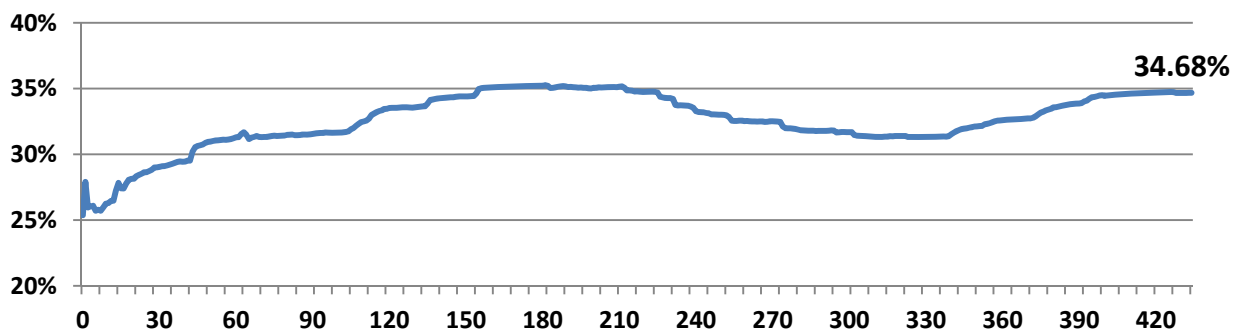
Enrollment and Referral Update



Spouses with Invite - Response Rate (email augmented)



P4 Referrals

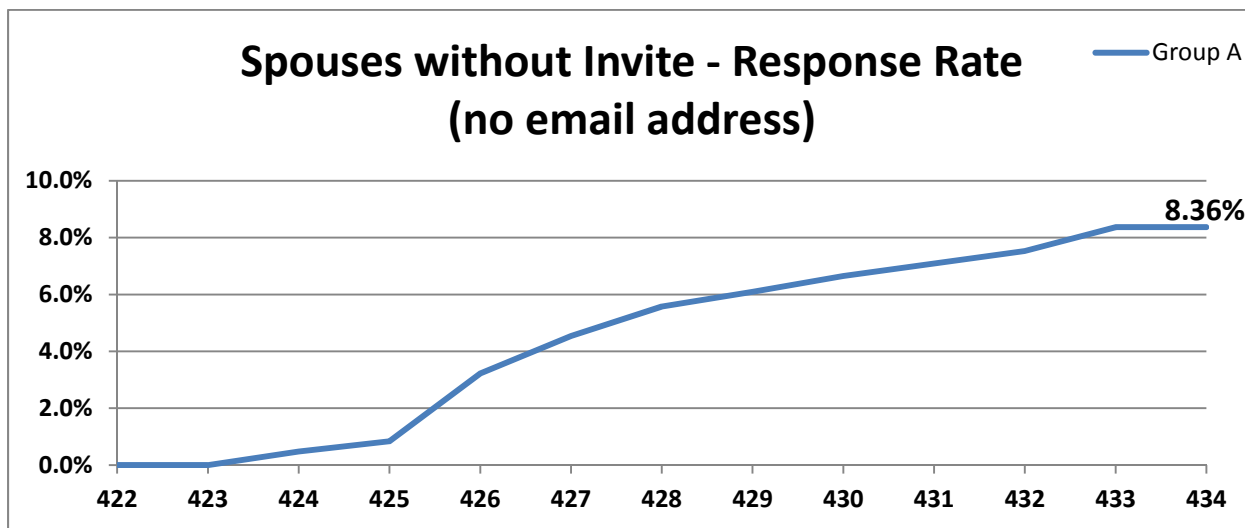


Spouse Contact

- Invite emails sent today (N=76)

A few of the recent and upcoming mailings (Group A)...

- M1 Magnet Mailer mailed Thursday, 2 August (N=5,672)
- M2 Postcard Reminder mailed on 9 August (N=5,619)
- M3 Sample Survey will be mailed on 30 August
- M4 Deanie Dempsey endorsement letter in card will be mailed on 6 September



Experimental Group A: N = 2478; Response Rate: 210/2478 = 8.47%

Non-responders with a bad address: N = 410

Mailing Procedure

Group A: Push to the Web (August 2nd – mid-Oct.)

- A1 - Magnet Picture Frame and Card Mailer (week 1)
- A2 - Postcard reminder (week 2)
- A3 - Sample Survey with \$5 card (week 5)
- A4 - Letter reminder (week 6)
- A5 - Paper Survey sent FedEx (week 9)
- A6 - Postcard reminder (week 10)

Group B: Push to the Paper (~ mid-Sept. – mid Nov.)

- B1 - Paper Survey with Magnet Picture Frame (week 1)
- B2 - Postcard reminder (week 2)
- B3 - Paper Survey with \$5 card (week 5)
- B4 - Letter reminder (week 6)
- B5 - Paper Survey sent FedEx (week 9)
- B6 - Postcard reminder (week 10)

Email Addresses: Epsilon Targeting has a program in place where we could send a name and mailing address, and they can match and send us back email addresses. It's \$0.23/email address, with a \$1,000 minimum. They claim to have match rates of about 15-25%.

Offspring Contact: A national study of addiction in spouses and offspring of twins from the Vietnam Era Twin Registry had high participation rates from offspring.

August 21, 2012



P4 response rate: ~16%

P4 Contact

- Q3 will be mailed, 6-8 September
- Email #20 will be sent on 18 September

P4 referral rate: 34.7%

Spouse Contact

- Invite emails sent today (N=16)

Experimental Group A: received A1 Magnet Mailer (2 August) and A2 Postcard Reminder (9 August)

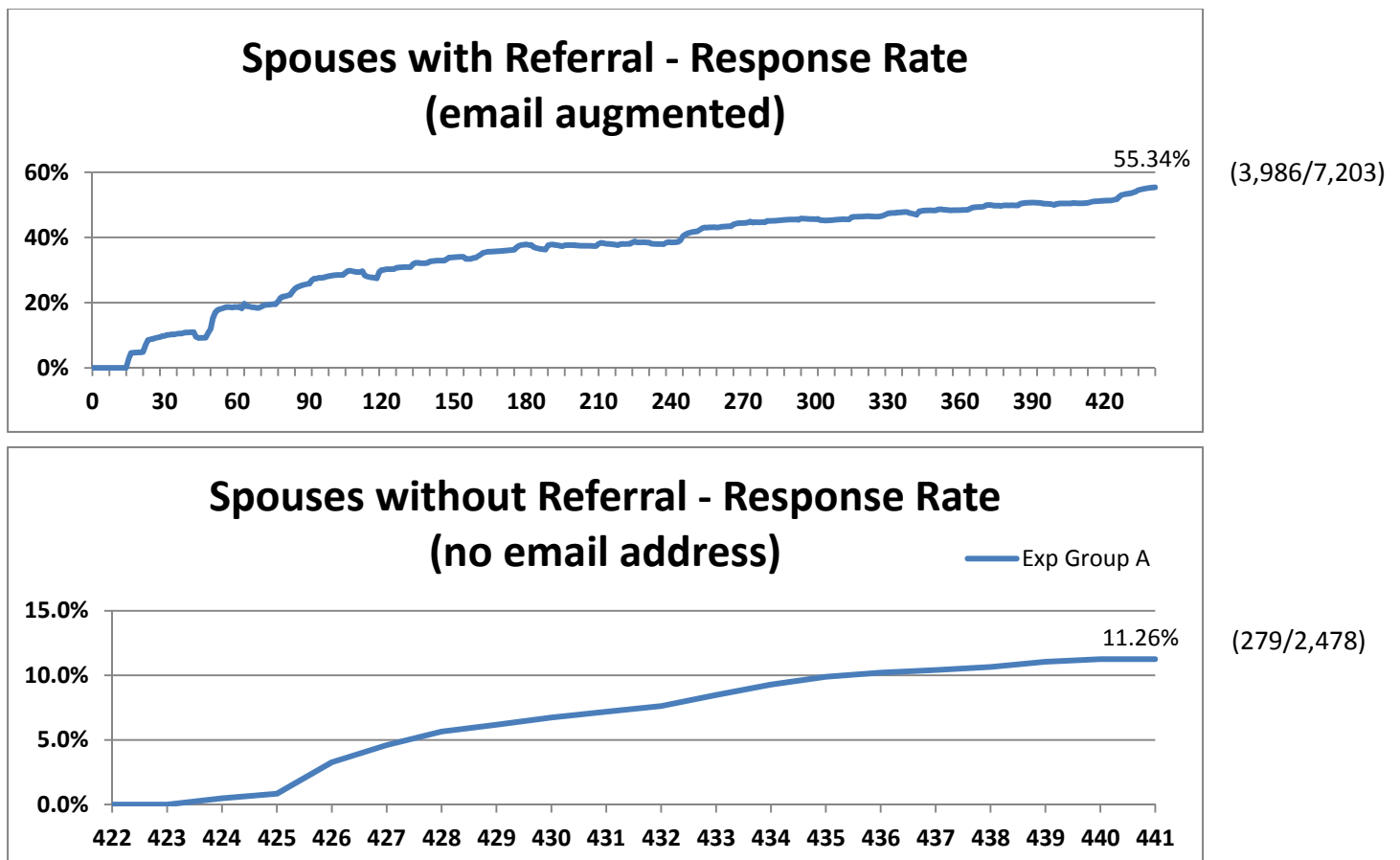
A few of the upcoming mailings include:

- A3 Sample Survey will be mailed on 30 August
- A4 Deanie Dempsey endorsement letter in card will be mailed on 6 September

Rolling with P4 Referral: received A1 Magnet Mailer (18 August)

Experimental Group B: Group B mailings will launch 20 September

Enrollment and Referral Update



*Note: Rolling without P4 Referral (no email address) have been contacted but no response yet; N=184.

Total Response: 4,265 (18%)

Mailing Procedure

Group A: Push to the Web (August 2nd – mid-Oct.)

A1 - Magnet Picture Frame and Card Mailer (week 1)
A2 - Postcard reminder (week 2)
A3 - Sample Survey with \$5 card (week 5)
A4 - Letter reminder (week 6)
A5 - Paper Survey sent FedEx (week 9)
A6 - Postcard reminder (week 10)

Group B: Push to the Paper (~ mid-Sept. – mid Nov.)

B1 - Paper Survey with Magnet Picture Frame (week 1)
B2 - Postcard reminder (week 2)
B3 - Paper Survey with \$5 card (week 5)
B4 - Letter reminder (week 6)
B5 - Paper Survey sent FedEx (week 9)
B6 - Postcard reminder (week 10)

SRP Webinar

- November 7th, from 9:00-11:00 AM PST
 - Can attend: Sanela Dursun, Mike Hurlburt, Patricia Lester, Larry Palinkas, Jennifer Vasterling
 - No RSVP yet: Shirley Glynn, Penelope Trickett, Christine Johnson
- SRP Nominees

August 28, 2012



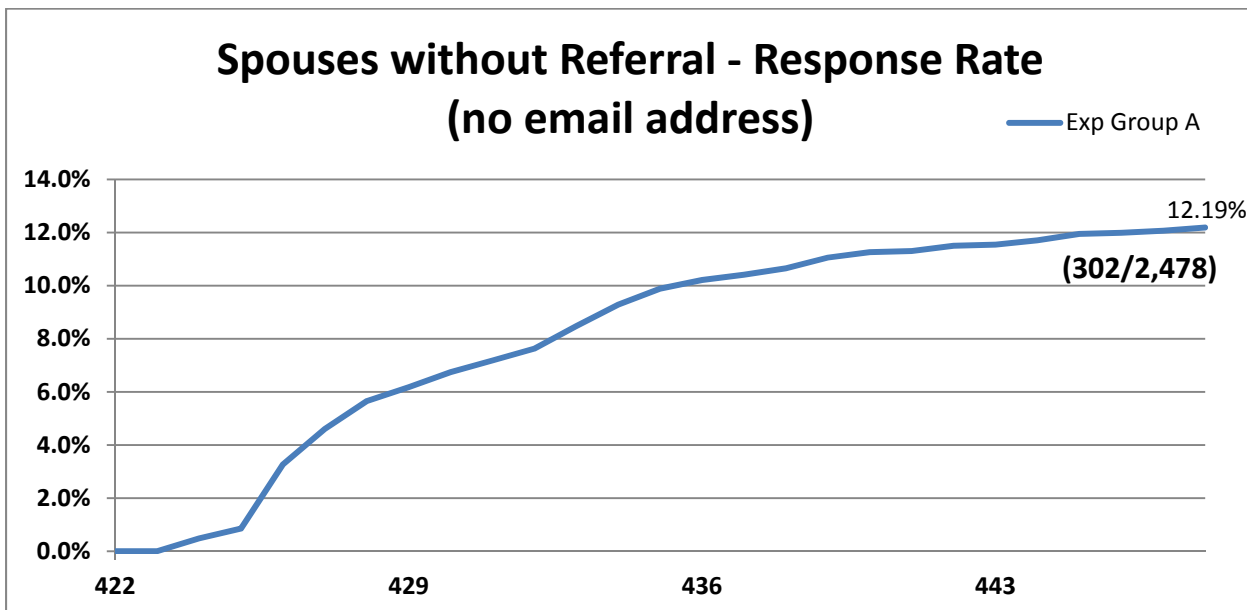
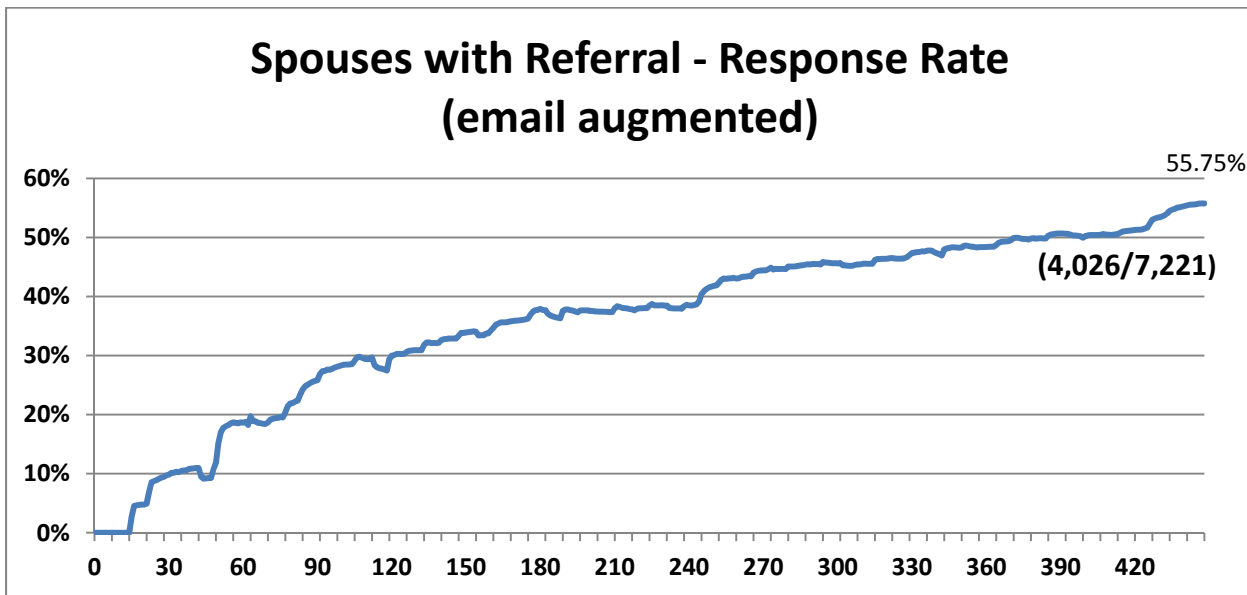
P4 response rate: ~16%

P4 Contact:

- Q3 will be mailed, 6-8 September
- Email #20 will be sent on 18 September

P4 referral rate: 34.7%

Family Study Total Completed: 4,328



Combined Response Rate: 21%

Spouse Contact with Referral

- Invite emails sent today (N=14)
- Received A1 Magnet Mailer (18 August) and A2 Postcard Reminder (25 August)

Spouse Contact without Referral

Experimental Group A (N = 2,478):

- Received A1 Magnet Mailer on 2 August
- Received A2 Postcard Reminder 9 August

A few of the upcoming mailings include:

- A3 Sample Survey will be mailed on 30 August
- A4 Deanie Dempsey endorsement letter in card will be mailed on 6 September

Experimental Group B (N = 2,477):

- Group B mailings will launch 20 September (to be included in Graph 2)

Rolling without Referral (N=227): Will be contacted soon (to be included in Graph 2)

Mailing Procedure

Group A: Push to the Web (August 2nd – mid-Oct.)

A1 - Magnet Picture Frame and Card Mailer (week 1)
A2 - Postcard reminder (week 2)
A3 - Sample Survey with \$5 card (week 5)
A4 - Deanie Dempsey Card reminder (week 6)
A5 - Paper Survey sent FedEx (week 9)
A6 - Postcard reminder (week 10)

Group B: Push to the Paper (~ mid-Sept. – mid Nov.)

B1 - Paper Survey with Magnet Picture Frame (week 1)
B2 - Postcard reminder (week 2)
B3 - Paper Survey with \$5 card (week 5)
B4 – Deanie Dempsey Card reminder (week 6)
B5 - Paper Survey sent FedEx (week 9)
B6 - Postcard reminder (week 10)

Reserved Spouses (N=4,954)

SRP Webinar

- November 7th, from 9:00-11:00 AM PST
 - Can attend: Sanela Dursun (call-in), Mike Hurlburt (may attend in person; if can't he'll call-in), Patricia Lester (call-in), Larry Palinkas (unknown), Jennifer Vasterling (call-in)
 - No RSVP yet: Shirley Glynn, Penelope Trickett, Christine Johnson

SRP Nominations

- Team would like to add a member with marital relationship expertise
- Team also may want to discuss having some core SRP members, and then have others rotate every 3 years.
- MilCo has a charter we may want to use

Ellen Devoe

Dr. DeVoe's scholarship focuses on the impact of family and community violence on young children and families and the development and evaluation of intervention designed to mitigate these effects. Dr. DeVoe's research has a federally funded program of research including a study of impact of September 11th on very young children and their parents in New York City and an ongoing intervention project aimed at reducing the impact of multiple violence exposures in youth in urban settings. Her clinical interests include working with very young children and families affected by trauma.

Candice Monson

Dr. Candice M. Monson is Associate Professor of Psychology and Director of Clinical Training at Ryerson University. She is also an affiliate of the Women's Health Sciences Division of the VA National Center for PTSD.

She completed her doctorate in clinical psychology at the University of Nebraska, and a post-doctoral fellowship in forensic psychology at the University of Missouri-Kansas City Schools of Medicine and Law.

Her primary research focus is on the development and testing of treatments for PTSD. She recently completed a grant-funded trial of Cognitive Processing Therapy for military-related PTSD, and is currently conducting a funded project to further develop Cognitive-Behavioral Conjoint Therapy for PTSD. In addition to her treatment outcome efforts, Dr. Monson investigates gender differences in the perpetration of interpersonal violence and its consequences.

Casey Taft

Casey T. Taft, Ph.D., is a staff psychologist at the National Center for PTSD in the VA Boston Healthcare System, and Associate Professor of Psychiatry at Boston University School of Medicine. Dr. Taft serves as Principal Investigator on several funded grants focusing on understanding and preventing partner violence. Dr. Taft was the 2006 Chaim Danieli Young Professional Award winner from the International Society for Traumatic Stress Studies, and the 2009 Linda Saltzman Memorial Intimate Partner Violence Researcher Award winner, and he serves on several Editorial Boards of journals in the areas of clinical psychology, trauma, and the family.

Cathy A. Flynn, Ph.D.

Dr. Cathy Flynn is a Senior Program Analyst with the Office of the Undersecretary of Defense (Military Community & Family Policy). Supporting research for Military Community and Family Policy (MC&FP) over the past seven years, Dr. Flynn has worked to bridge research needs and policy development. Her current portfolio includes leadership of the Military Family Life Project, a two-wave survey of military spouses and couples. Prior to coming to DoD, she was a Senior Research Associate at the Center for Families at Purdue University and research faculty in the Department of Psychology at Loyola University in Chicago. Dr. Flynn received her doctoral degree in Human Development & Social Policy from Northwestern University in 1999.

Delores Johnson Davis

Assistant Deputy for Soldier Family Quality of Life, with the Office of the Assistant Secretary of the Army Manpower & Reserve Affairs.

September 4, 2012



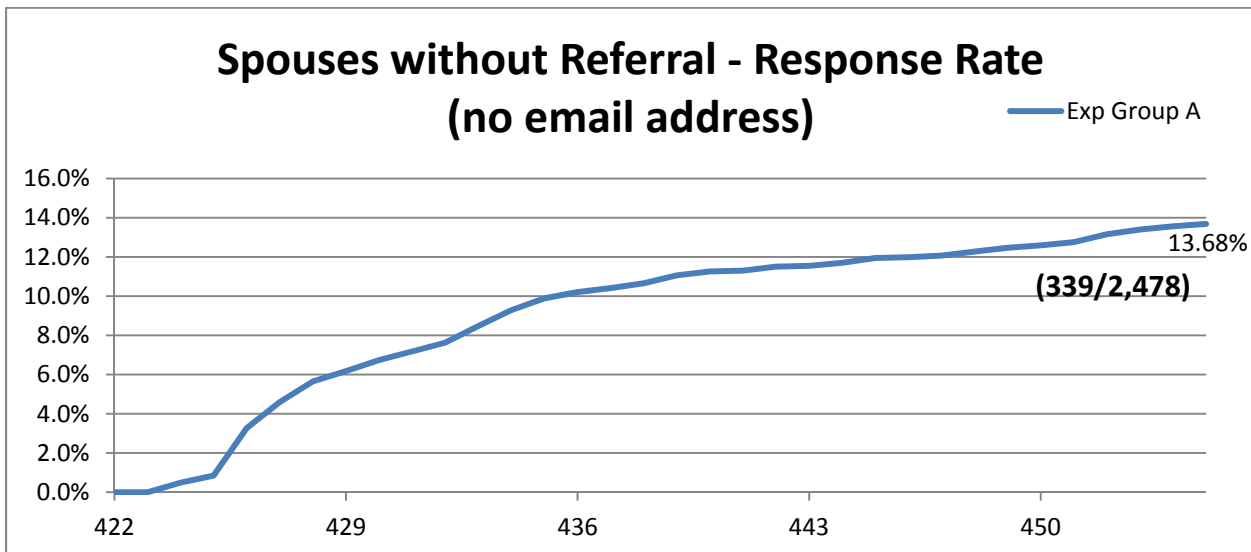
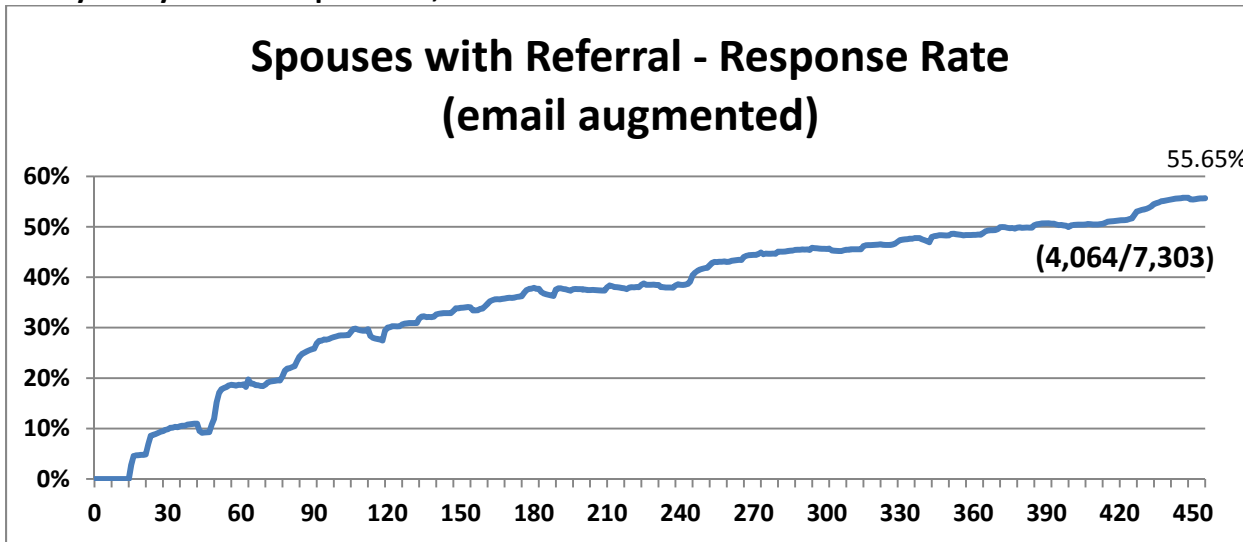
P4 response rate: ~16%

P4 Contact:

- Q3 will be mailed this week, 6-8 September
- Email #20 will be sent on 18 September

P4 referral rate: 34.7%

Family Study Total Completed: 4,403



Combined Response Rate: 21%

Spouse Contact with Referral

- Invite emails sent today (N=81); Reminder emails sent today (N=2,926)
- Received A1 Magnet Mailer (18 August), A2 Postcard Reminder (25 August), A3 Sample Survey (31 August)

Spouse Contact without Referral

Experimental Group A (N = 2,478):

- Received A1 Magnet Mailer on 2 August
- Received A2 Postcard Reminder 9 August

A few of the recent and upcoming mailings include:

- A3 Sample Survey mailed on 30 August
- A4 Deanie Dempsey endorsement letter in card will be mailed on 6 September

Experimental Group B (N = 2,477):

- Group B mailings will launch 20 September (to be included in Graph 2)

Rolling without Referral (N=381): A1 list sent to Andeson today (to be included in Graph 2)

Mailing Procedure

Group A: Push to the Web (August 2nd – mid-Oct.)

Group B: Push to the Paper (~ mid-Sept. – mid Nov.)

A1 - Magnet Picture Frame and Card Mailer (week 1)

A2 - Postcard reminder (week 2)

A3 - Sample Survey with \$5 card (week 5)

A4 - Deanie Dempsey Card reminder (week 6)

A5 - Paper Survey sent FedEx (week 9)

A6 - Postcard reminder (week 10)

B1 - Paper Survey with Magnet Picture Frame (week 1)

B2 - Postcard reminder (week 2)

B3 - Paper Survey with \$5 card (week 5)

B4 – Deanie Dempsey Card reminder (week 6)

B5 - Paper Survey sent FedEx (week 9)

B6 - Postcard reminder (week 10)

End of Cycle Discussion

SRP Webinar

- November 7th, from 9:00-11:00 AM PST
 - Can attend: Sanela Dursun (call-in), Shirley Glynn (call-in), Mike Hurlburt (may attend in person; if can't he'll call-in), Patricia Lester (call-in), Larry Palinkas (unknown), Jennifer Vasterling (call-in)
 - No RSVP yet: Penelope Trickett, Christine Johnson



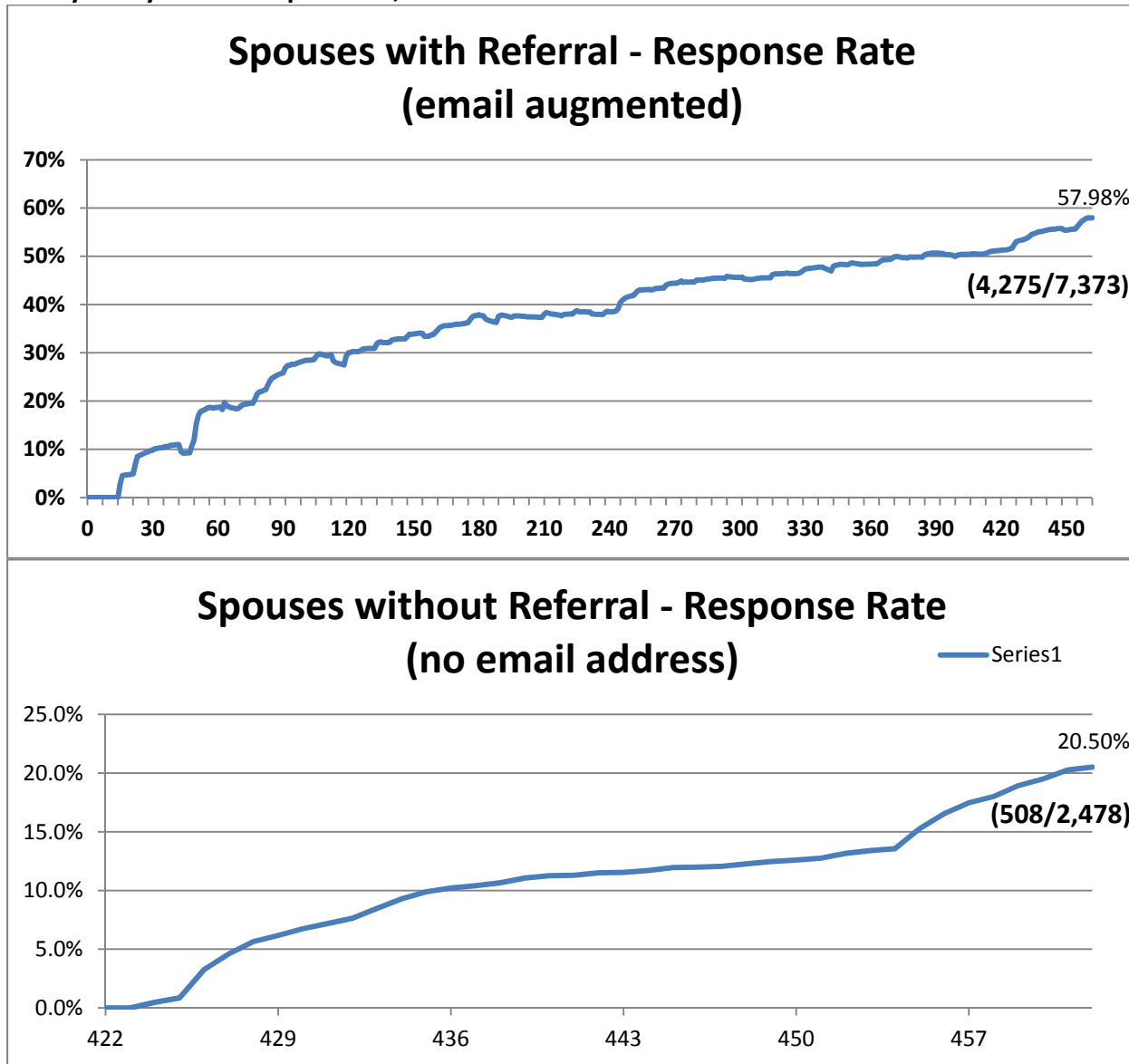
P4 response rate: 16%

P4 Contact:

- Q3 was mailed 6-8 September
- Email #20 will be sent on 18 September

P4 referral rate: 34.7%

Family Study Total Completed: 4,783



Combined Response Rate: 22.5%

Experimental Groups

Experimental Group A (N = 2,478):

- A1 Magnet Mailer mailed on 2 August
- A2 Postcard Reminder mailed on 9 August
- A3 Sample Survey mailed on 30 August
- A4 Deanie Dempsey endorsement letter in card mailed on 6 September

A few of the upcoming mailings include:

- A5 Survey sent FedEx will be mailed on 27 September
- A6 Postcard Reminder will be mailed on 4 October

Experimental Group B (N = 2,477):

Group B mailings will launch 20 September (to be included in Graph 2)

A few of the upcoming mailings include:

- B1 Survey with Magnet will be mailed on 20 September
- B2 Postcard Reminder will be mailed on 27 September

Rolling Groups

- Rolling without Referral (N=467)

SRP

- Webinar: November 7th, from 9:00-11:00 AM PST
- SRP Charter

Data Recognition Corporation

Note: Mailing Procedure

Group A: Push to the Web (August 2nd – mid-Oct.)

A1 - Magnet Picture Frame and Card Mailer (week 1)
A2 - Postcard reminder (week 2)
A3 - Sample Survey with \$5 card (week 5)
A4 - Deanie Dempsey Card reminder (week 6)
A5 - Paper Survey sent FedEx (week 9)
A6 - Postcard reminder (week 10)

Group B: Push to the Paper (Sept. 20th – mid Nov.)

B1 - Paper Survey with Magnet Picture Frame (week 1)
B2 - Postcard reminder (week 2)
B3 - Paper Survey with \$5 card (week 5)
B4 – Deanie Dempsey Card reminder (week 6)
B5 - Paper Survey sent FedEx (week 9)
B6 - Postcard reminder (week 10)

September 18, 2012



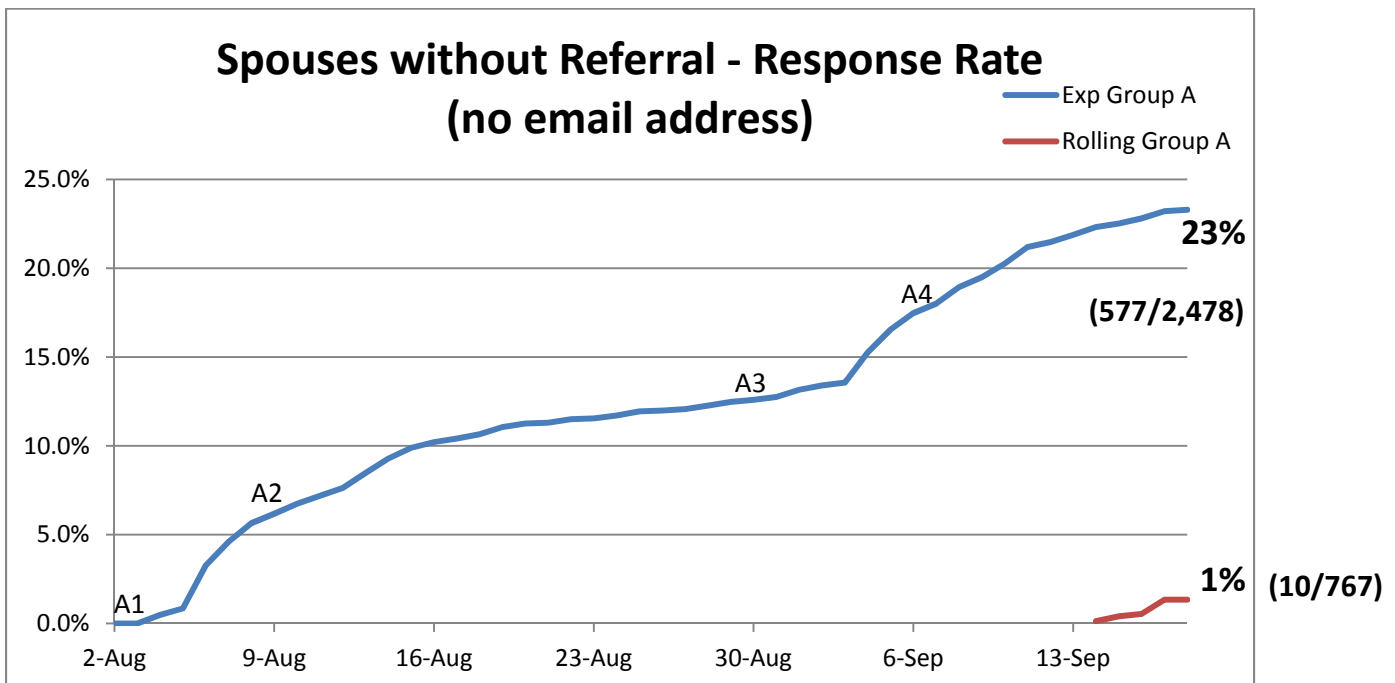
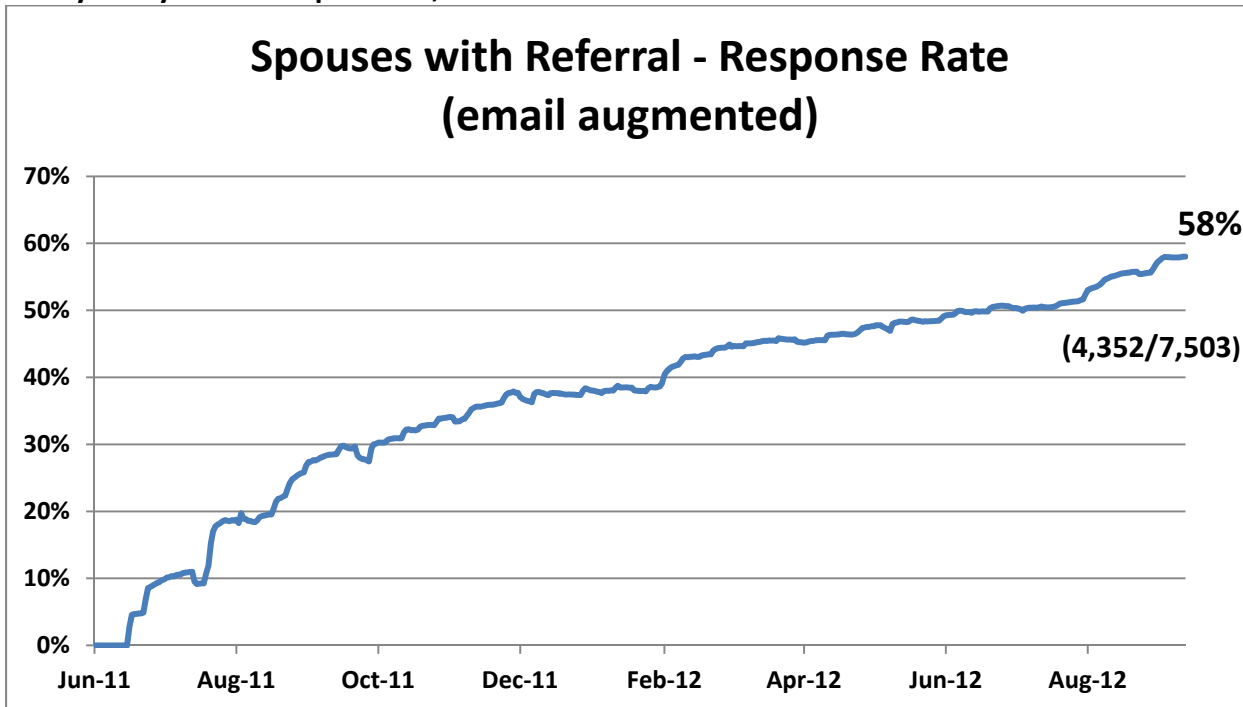
P4 response rate: 16%

P4 Contact:

- Q3 was mailed 6-8 September
- Email #20 will be sent on 18 September

P4 referral rate: 35%

Family Study Total Completed: 4,939



Combined Response Rate: 46%

Experimental Groups

Experimental Group A (N = 2,478):

- A1 Magnet Mailer mailed on 2 August
- A2 Postcard Reminder mailed on 9 August
- A3 Sample Survey mailed on 30 August
- A4 Deanie Dempsey endorsement letter in card mailed on 6 September

A few of the upcoming mailings include:

- A5 Survey sent FedEx will be mailed on 27 September
- A6 Postcard Reminder will be mailed on 4 October

Experimental Group B (N = 2,477):

Group B mailings will launch 20 September (to be included in Graph 2)

A few of the upcoming mailings include:

- B1 Survey with Magnet will be mailed on 20 September
- B2 Postcard Reminder will be mailed on 27 September

Rolling Groups

- Rolling without Referral (N=10/767)

SRP

- Webinar: November 7th, from 9:00-11:00 AM PST
- SRP Charter
- Annual April Meeting: tentatively scheduled for April 15th

Data Recognition Corporation

Note: Mailing Procedure

Group A: Push to the Web (August 2nd – mid-Oct.)

A1 - Magnet Picture Frame and Card Mailer (week 1)
A2 - Postcard reminder (week 2)
A3 - Sample Survey with \$5 card (week 5)
A4 - Deanie Dempsey Card reminder (week 6)
A5 - Paper Survey sent FedEx (week 9)
A6 - Postcard reminder (week 10)

Group B: Push to the Paper (Sept. 20th – mid Nov.)

B1 - Paper Survey with Magnet Picture Frame (week 1)
B2 - Postcard reminder (week 2)
B3 - Paper Survey with \$5 card (week 5)
B4 – Deanie Dempsey Card reminder (week 6)
B5 - Paper Survey sent FedEx (week 9)
B6 - Postcard reminder (week 10)

September 25, 2012



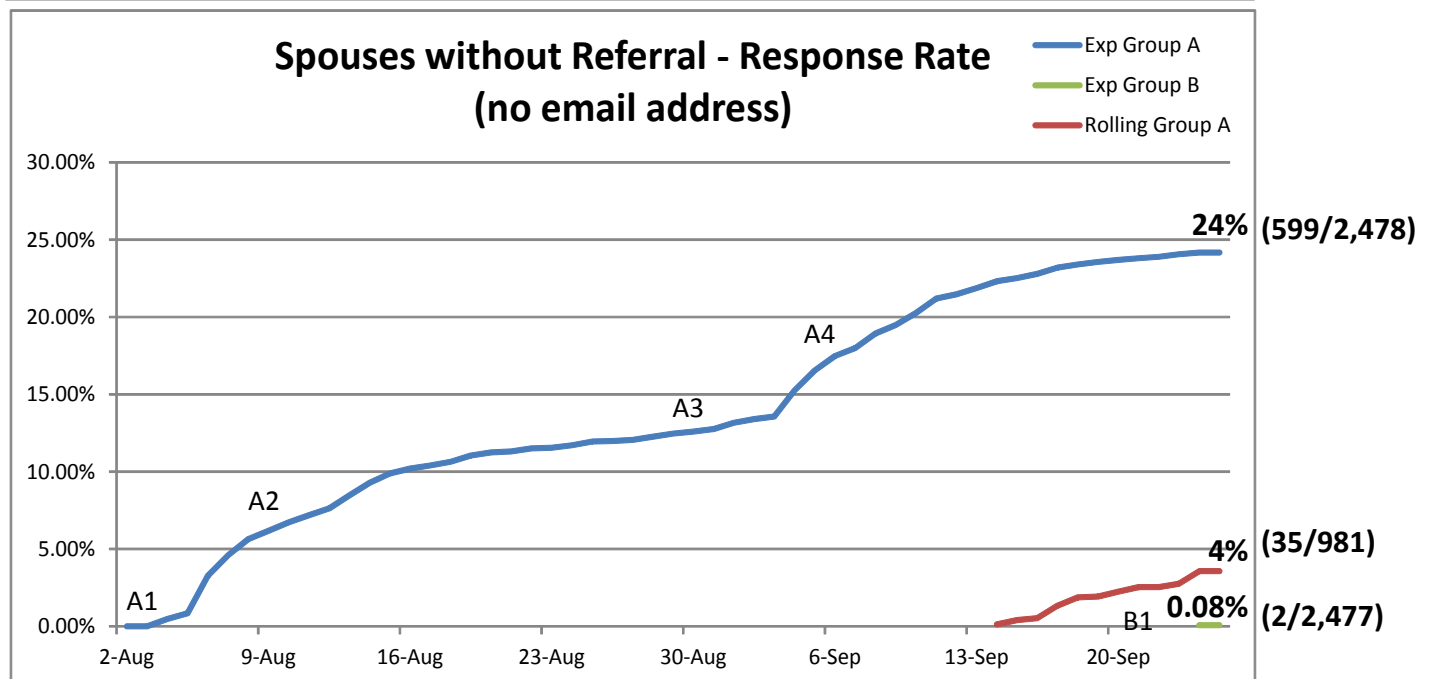
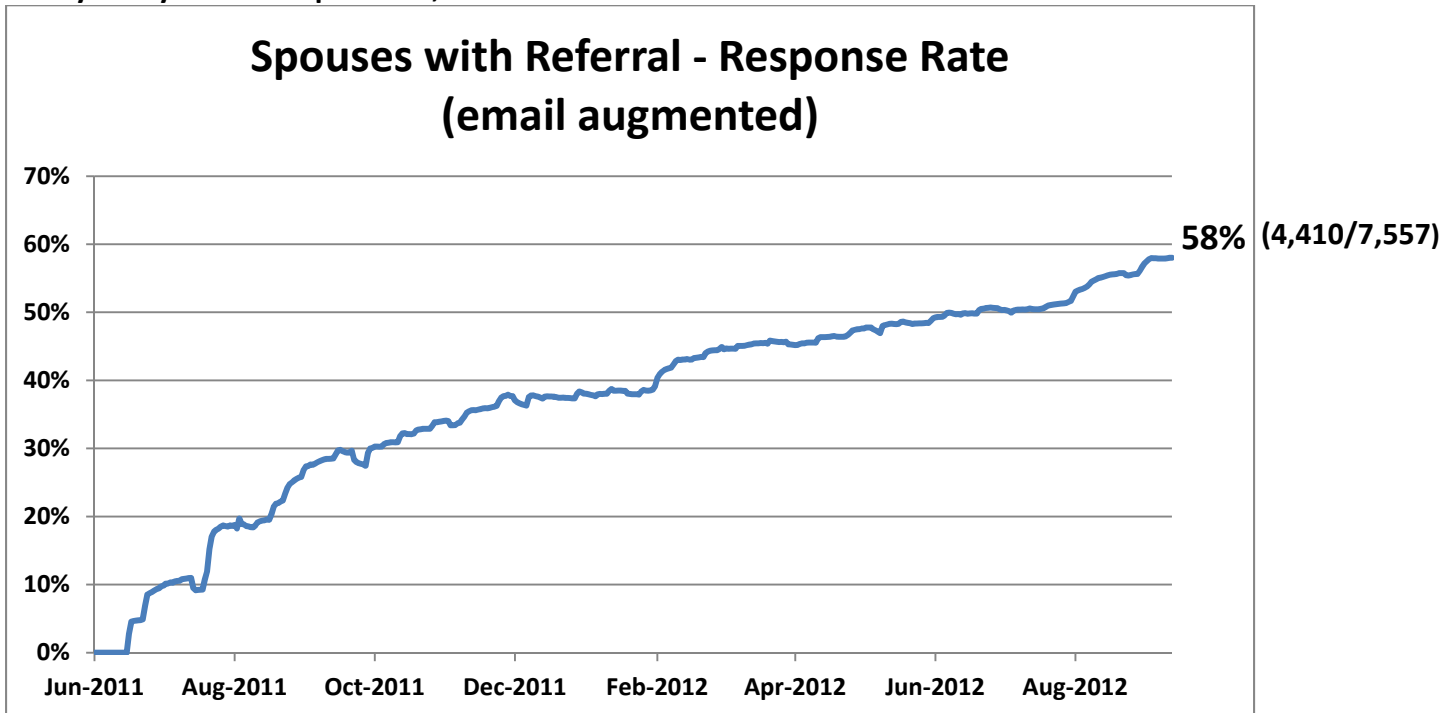
P4 response rate: 17%

P4 Contact:

- Q3 mailed 6-8 September
- Email sent 24 September
- Postcard will be sent 4-6 October

P4 referral rate: 35%

Family Study Total Completed: 5,046



Combined Response Rate: 37%

Experimental Groups

Experimental Group A (N = 2,478):

- A1 Magnet Mailer mailed on 2 August
- A2 Postcard Reminder mailed on 9 August
- A3 Sample Survey with \$5 Starbucks card mailed on 30 August
- A4 Deanie Dempsey endorsement letter in card mailed on 6 September

A few of the upcoming mailings include:

- A5 Survey sent FedEx will be mailed on 28 September
- A6 Postcard Reminder will be mailed on 5 October

Experimental Group B (N = 2,477):

- B1 Survey with Magnet mailed on 20 September

A few of the upcoming mailings include:

- B2 Postcard Reminder will be mailed on 27 September
- B3 Survey with \$5 Starbucks card will be mailed on 18 October

Rolling Groups

- Rolling without Referral (N=35/981)

SRP

- Webinar: November 7th, from 9:00-11:00 AM PST
- Annual meeting scheduled for April 15th
 - Millennium Cohort's EAB meeting scheduled for April 16th-17th

Note: Mailing Procedure

Group A: Push to the Web (August 2nd – mid-Oct.)

A1 - Magnet Picture Frame and Card Mailer (week 1)
A2 - Postcard reminder (week 2)
A3 - Sample Survey with \$5 card (week 5)
A4 - Deanie Dempsey Card reminder (week 6)
A5 - Paper Survey sent FedEx (week 9)
A6 - Postcard reminder (week 10)

Group B: Push to the Paper (Sept. 20th – mid Nov.)

B1 - Paper Survey with Magnet Picture Frame (week 1)
B2 - Postcard reminder (week 2)
B3 - Paper Survey with \$5 card (week 5)
B4 – Deanie Dempsey Card reminder (week 6)
B5 - Paper Survey sent FedEx (week 9)
B6 - Postcard reminder (week 10)

October 2, 2012



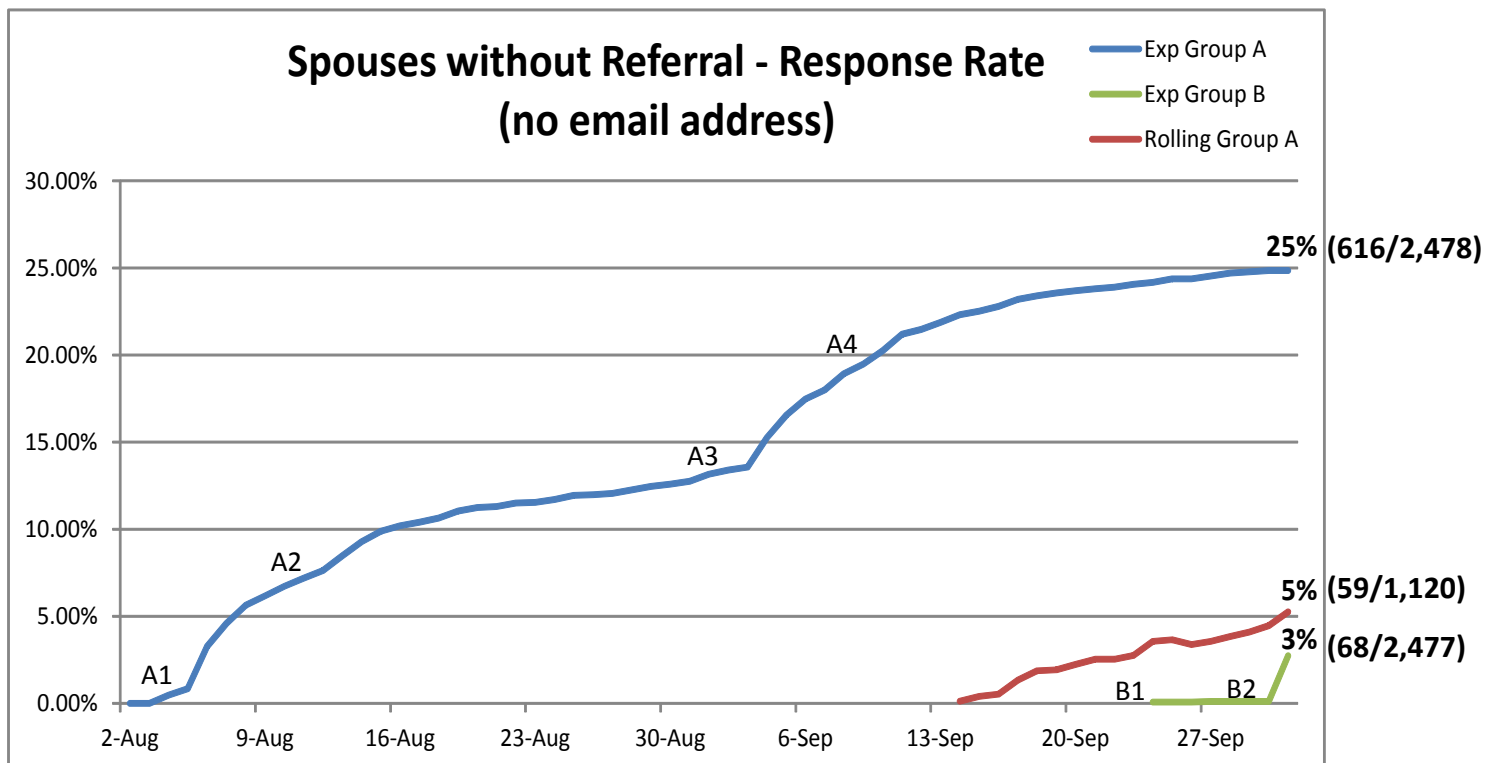
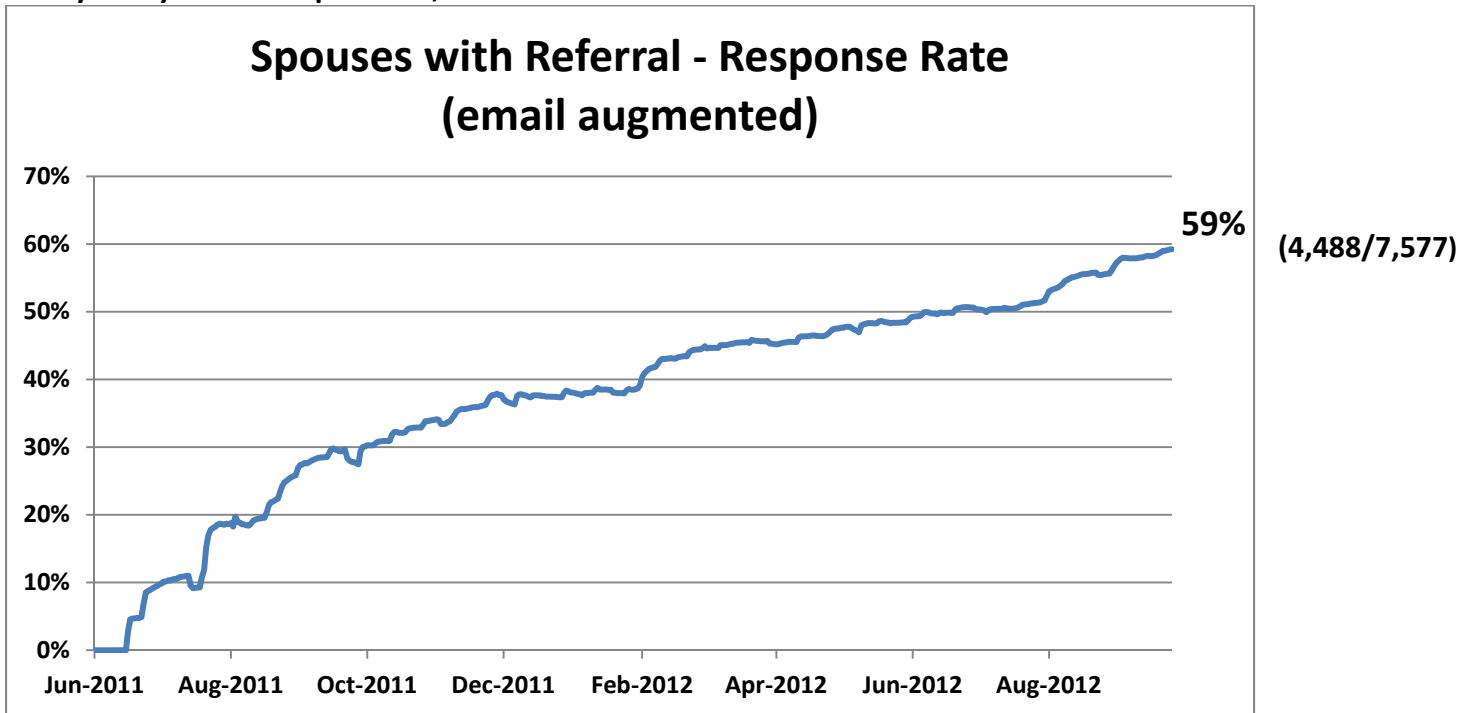
P4 response rate: 17%

P4 Contact:

- Q3 mailed 6-8 September and email sent 24 September
- Reminder postcard will be mailed 4-6 October

P4 referral rate: 35%

Family Study Total Completed: 5,231



Combined Response Rate: 38%

Experimental Groups

Experimental Group A (N = 2,478):

- A1 Magnet Mailer mailed on 2 August
- A2 Postcard Reminder mailed on 9 August
- A3 Sample Survey with \$5 Starbucks card mailed on 30 August
- A4 Deanie Dempsey endorsement letter in card mailed on 6 September

A few of the upcoming mailings include:

- A5 Survey sent FedEx will be mailed today, 2 October
 - PO Box addresses, foreign addresses and APO/FPOs will be sent USPS Priority Mail
- A6 Postcard Reminder will be mailed on 9 October

Experimental Group B (N = 2,477):

- B1 Survey with Magnet mailed on 20 September
- B2 Postcard Reminder mailed on 27 September

A few of the upcoming mailings include:

- B3 Survey with \$5 Starbucks card will be mailed on 18 October
- B4 Deanie Dempsey endorsement letter in card mailed on 25 October

Rolling Groups

- Rolling without Referral (N=59/1,120)

2014 Follow-up (FUP) Divorced/Separated/Widowed (DSW) Version

Issues associated with integrating the DSW questions into the FUP survey :

1. Item order impact (sensitive questions about death will be visible to everyone)
2. Very different Relationship section for this population
3. Referring to correct spouse without using <insert spouse name> is difficult, especially with regard to asking about children with the correct partner.
4. YOUR FAMILY section different for Widowed with children and Widowed without children. Making skip pattern even more complex for everyone.

Solution Options:

1. Integrate the DSW questions into FUP by:

Creating a new Relationship section for DSW and have all else SKIP the section; having all widowed skip YOUR FAMILY section, but answer YOUR CHILDREN if applicable; including a section heading that explains the spouse that we are referring to (i.e., the spouse you were married to in 2011-12). Downside: Could still be confusing and reduce overall usability, as well as impact answers.

2. Don't integrate into one paper version:

Send out a paper survey written for currently married spouses, but extend invitation to DSW spouses to complete an online DSW survey. We can include a postage paid postcard to request a paper copy of the DSW version of the survey as well. We can also include a parenthetical statement on the paper survey next to the marital status question at the very beginning of the survey to emphasize going to web or requesting the DSW paper version. Downside: we may lose some DSW that want to fill out paper, rather than going to the web, but don't want to use the postcard to get the personalized survey.

Please keep in mind that we should have email addresses for most of the FUP participants.

We currently have a high response rate (60%) before offering paper to individuals with email addresses.

We will have data about % of paper survey responders with known email by March 2013. MilCoh currently gets <10% paper responders.

SRP

- SRP Charter
- Webinar: November 7th, from 9:00-11:00 AM PST
- Annual meeting scheduled for April 15th
 - Millennium Cohort's EAB meeting scheduled for April 16th-17th

Note: Mailing Procedure

Group A: Push to the Web (August 2nd – mid-Oct.)

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A4 - Deanie Dempsey Card reminder (week 6)
A5 - Paper Survey sent FedEx (week 9)
A6 - Postcard reminder (week 10)

Group B: Push to the Paper (Sept. 20th – mid Nov.)

B1 - Paper Survey with Magnet Picture Frame (week 1)
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B6 - Postcard reminder (week 10)

October 9, 2012



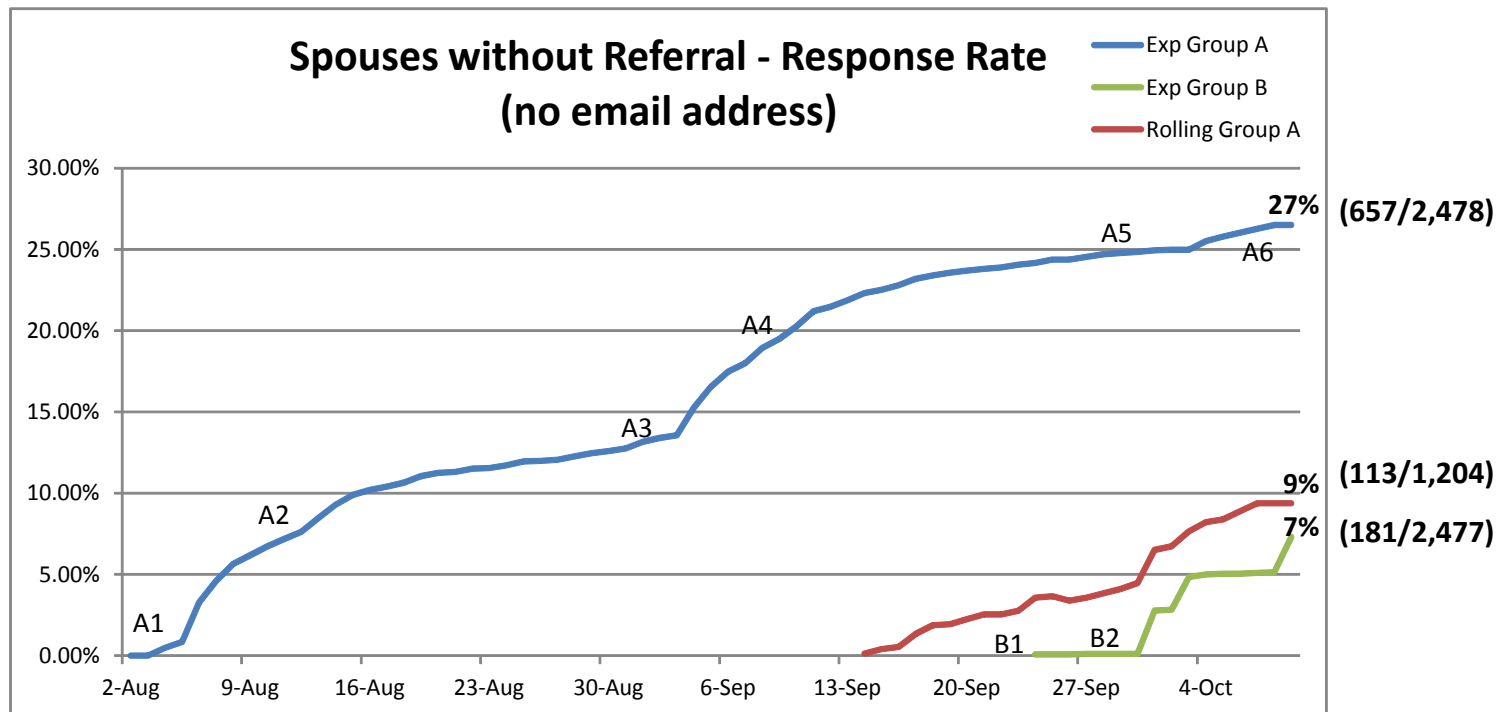
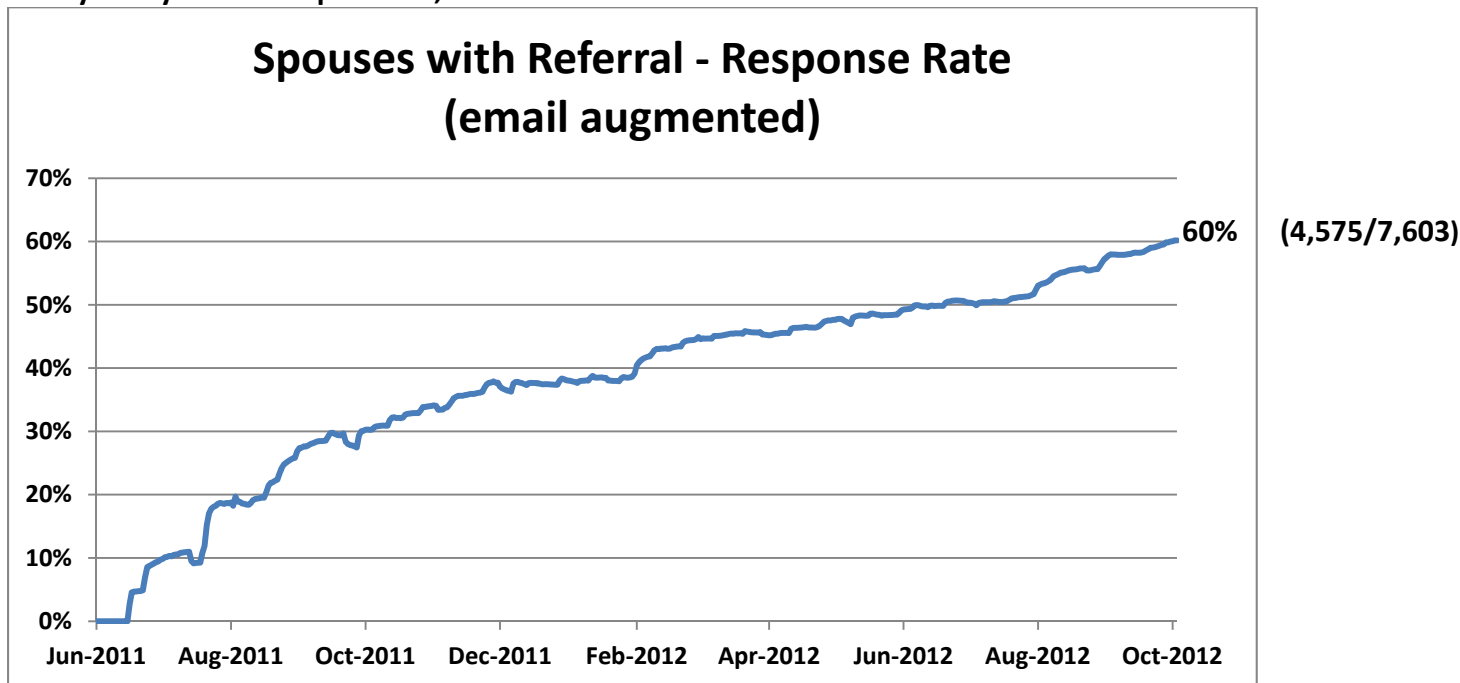
P4 response rate: 17%

P4 Contact:

- Email invitation sent 4 October
- Veteran's Day postcard will be mailed 1-3 November
- Q4 mailed FedEx or priority mail will be mailed 26-28 November

P4 referral rate: 35%

Family Study Total Completed: 5,526



Combined Response Rate: 40%

Experimental Groups

Experimental Group A (N = 2,478):

- A1 Magnet Mailer mailed on 2 August
- A2 Postcard Reminder mailed on 9 August
- A3 Sample Survey with \$5 Starbucks card mailed on 30 August
- A4 Deanie Dempsey endorsement letter in card mailed on 6 September
- A5 Survey sent FedEx mailed on 2 October
 - PO Box addresses, foreign addresses and APO/FPOs sent USPS Priority Mail
- A6 Postcard Reminder mailed on 5 October

Experimental Group B (N = 2,477):

- B1 Survey with Magnet mailed on 20 September
- B2 Postcard Reminder mailed on 27 September

A few of the upcoming mailings include:

- B3 Survey with \$5 Starbucks card will be mailed on 18 October
- B4 Deanie Dempsey endorsement letter in card mailed on 25 October

Rolling Groups

- Rolling without Referral (N=113/1,204)

Emails

- Returning to 2 emails per month (to referred spouses with emails)
- Creating a tailored 'final' email stating that they won't receive any more contact

Data Recognition Corp

OMB Submission Preparations

SRP

- Webinar: November 7th, from 9:00-11:00 AM PST
- Annual meeting scheduled for April 15th
 - Millennium Cohort's EAB meeting scheduled for April 16th-17th

Note: Mailing Procedure

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